<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACCT - 1010</td>
<td>Applied Business Accounting</td>
<td>2.00 CR</td>
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<td></td>
<td>For non-accounting majors. This course introduces the student to basic bookkeeping practices and procedures, taking them through the complete accounting cycle for hospitality and service companies. 2 lecture hours per week.</td>
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<tr>
<td>ACCT - 1040</td>
<td>Intro to Individual Income Tax</td>
<td>3.00 CR</td>
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<td>Designed to introduce individual income tax concepts and tax form preparation. Participation in the IRS VITA program is required for this course. 3 lecture hours per week.</td>
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<tr>
<td>ACCT - 2010</td>
<td>Financial Accounting</td>
<td>3.00 CR</td>
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<td>For business and accounting majors. This course introduces the basic concepts of financial accounting. Coverage includes the complete accounting cycle for service and merchandise companies. Depreciation, accounts receivable, and inventory are just a few of the topics covered in this course. 3 lecture hours per week.</td>
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<tr>
<td>ACCT - 2020</td>
<td>Managerial Accounting</td>
<td>3.00 CR</td>
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<td>For business and accounting majors. This is an introductory course to managerial accounting principles. Coverage includes product costing, cost-volume-profit analysis, profit planning, capital budgeting, and financial statement analysis. Prerequisites: ACCT 2010, CIS 1200. 3 lecture hours per week.</td>
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<tr>
<td>ACCT - 2100</td>
<td>Computer Accounting QuickBooks</td>
<td>1.00 CR</td>
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<td>For accounting majors and others wanting to learn small business accounting on the IBM computer. Topics covered include: Accounts Receivable and Billing, Purchasing and Accounts Payable, Payroll, Job Costing and Reporting. Prerequisites: ACCT 1010 or ACCT 2010. 1 lecture hour per week.</td>
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<tr>
<td>ACCT - 2150</td>
<td>Payroll Accounting</td>
<td>2.00 CR</td>
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<td>This course discusses computing and paying wages, social security taxes, federal and state taxes, and journalizing payroll transactions. A commercial accounting software program will be used to show small business applications. Prerequisites: ACCT 1010 or ACCT 2010. 2 lecture hours per week.</td>
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<tr>
<td>ACCT - 2200</td>
<td>Computer Peachtree</td>
<td>2.00 CR</td>
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<td></td>
<td>For accounting majors and others wanting to learn small business accounting on the IBM computer. Topics covered include: Accounts Receivable and Billing, Purchasing and Accounts Payable, Payroll, Job Costing and Reporting. Prerequisite: ACCT 2010 or CIS 1200. 2 lecture hours per week.</td>
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<tr>
<td>ACCT - 3000</td>
<td>Accounting for Management</td>
<td>4.00 CR</td>
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<td>This course introduces the basic concepts and principles of financial and managerial accounting. Coverage includes the complete accounting cycle for service and merchandise companies. Depreciation, accounts receivable, inventory, product costing, cost-volume-profit analysis, profit planning, capital budgeting, and financial statement analysis are just a few of the topics covered. Prerequisite: Admission to Dixie State College Aviation Management baccalaureate program. 4 lecture hours per week.</td>
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<tr>
<td>ACCT - 3010</td>
<td>Intermediate Accounting I</td>
<td>3.00 CR</td>
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<td>Designed for students majoring in business who would like an emphasis in Accounting. Course covers the conceptual framework of accounting; reviews the accounting process; reviews accounting statements including the income statement, balance sheet, and statement of cash flows, and includes an in-depth coverage of revenue recognition, accounting changes and error correction, and financial statement analysis. Prerequisites: ACCT 2010 and advanced standing in the business baccalaureate program. 3 lecture hours per week.</td>
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<tr>
<td>ACCT - 3020</td>
<td>Intermediate Accounting II</td>
<td>3.00 CR</td>
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<td>Continuation of Intermediate Accounting I. Course covers: accounting for current and long-term assets including accounts receivable, inventories, operating assets, and investments; accounting for current and long-term liabilities including contingent liabilities, debt securities, and leases; accounting for equity transactions including capital stock issuance and reacquisition, stock rights and options, and dividends. Prerequisites: ACCT 3010 and advanced standing in the business baccalaureate program. 3 lecture hours per week.</td>
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Develops information systems concepts in the operational, strategic, and decision making roles of management. Studies information systems solutions to business problems. Accounting systems concepts fundamental to the support of business processes. Topics include: accounting systems design and development, control issues, system security, and maintenance. Emphasizes end user applications of management information systems, challenges of managing information technology, and using MIS as a strategic management tool. Prerequisites: ACCT 2020, CIS 2010 (can be concurrently enrolled), and advanced standing in the business baccalaureate program. 3 lecture hours per week.

**ACCT - 3300 Cost Accounting** 3.00 CR
Course covers the analysis of costs in a business organization for both internal and external use by management. Topics include: job order and product costing, standard variances analysis, profit performance analysis, labor costing, cost-volume-profit analysis, budgeting, and capital building. Prerequisites: ACCT 2020 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

**ACCT - 3400 Tax Accounting I** 3.00 CR
This course covers current federal and state income tax laws and the preparation of individual income tax returns. Emphasis is on analysis and interpretation of tax rules and their practical application. Students will also develop the ability to research tax laws and rules. Prerequisites: ACCT 3010 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

**ACCT - 3600 Accounting Practicum** 3.00 CR
This course is designed to provide Accounting students with an experiential learning environment that will place them in real-life, small business practice settings similar to post-graduation employment. Students will use leading Accounting software to provide financial statement preparation and analysis, tax compliance and planning, and application of audit techniques. Prerequisites: ACCT 3400 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

**ACCT - 4030 Advanced Accounting** 3.00 CR
Corporation acquisitions, mergers and the formation of other strategic alliances are staples of today's business environment. The objective of the first two-thirds of this course is to provide students with an understanding of the nature and financial reporting aspects of these complex business transactions. Specific topics include accounting for business combinations and consolidations, joint ventures and foreign currency translations and segment reporting. The final third of the course is intended to provide students with a general understanding of the unique accounting and financial reporting issues facing not-for-profit organizations and governmental entities. Prerequisites: ACCT 3020 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

**ACCT - 4100 Auditing** 3.00 CR
Study of auditing standards, internal accounting, control systems, compliance and substantive audit procedures applied to accounts and transaction cycles, and audit reports. Review of the auditing concepts of materiality and risk, types of evidence and documentation, and an introduction to the ethical and legal responsibilities of the Certified Public Accountant. Prerequisites: ACCT 3400 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

**ACCT - 4400 Tax Accounting II** 3.00 CR
This course examines the concepts and methods of determining the federal tax liability of corporations, S-corporations, partnerships, estates, and trusts. Special attention is given to the application of the law through the use of leading electronic practitioner research tax databases and tax return preparation software. Successful completers should be qualified to prepare federal tax returns for small businesses, estates, and trusts. Prerequisites: ACCT 3400 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

**ACCT - 4890 Accounting Internships I** 1.00 - 3.00 CR
Prerequisites: ACCT 2020 and advanced standing in the business baccalaureate program and advisor permission required.

**ACCT - 4891 Accounting Internships II** 1.00 - 3.00 CR
Prerequisites: ACCT 4890 and advanced standing in the business baccalaureate program and advisor permission required.

**ANTH - 1000 Intro to Anthropology *SS** 3.00 CR
For all students wishing to fulfill the general education and social science requirement. Teaches students what anthropology is, what anthropologists do, and how anthropology is applied. Course focuses on the sub-disciplines of anthropology including cultural anthropology, archeology, physical anthropology, and linguistics. A lecture course that may include guest speakers, films, other media, writing assignments, specialized reading assignments, and examinations. 3 lecture hours per week.
### Art Department Courses

#### ART - 1010  Intro to Art *FA  3.00 CR
For all students interested in art with or without an art program emphasis. Designed to help students develop a greater appreciation of art. Includes identification of major art forms, a brief survey of art history, investigation of art criticism, the introduction of various media, and identification of elements and principles of art. Uses lecture, slides, art reproductions. Fulfills a general education fine arts requirement. 3 lecture hours per week.

#### ART - 1050  Intro to Photography  3.00 CR
For students with an emphasis in art, and for all students interested in basic photographic technique and principles. Course will cover image, lighting, composition, basic camera operation and darkroom lab work. The class is designed as a hands-on learning experience, and allows the student to explore in their specific areas of interest. Includes lectures, demonstrations, and studio practice labs. By the end of the course, successful students will have enough technical knowledge to allow them to explore more fully the potential of the camera. Some out-of-class shooting assignments are required, as well as in-class assignments. Is a prerequisite to ART 2050. Fees required. 3 lecture hours per week.

#### ART - 1100  Intro to Design *FA  3.00 CR
For students with an interest in art with or without an art program emphasis. Special emphasis on graphic arts, interior design, computer art, photography, architecture, etc., and for students seeking to fill fine arts requirements. Teaches students the principles and elements of design. Uses lectures, slide presentations, videos and studio experience. Fills fine arts general education requirements in both AA/AS degrees. Lab fees required. 3 lecture hours per week.

#### ART - 1110  Basic Drawing and Composition  3.00 CR
A required class for students with an emphasis in art, and other students interested in drawing. Stresses creativity, the fundamentals of image-based drawing and composition. Various techniques with black and white, and color media will be investigated. Includes lectures, demonstrations, and studio practice labs. By the end of this course, students should have an understanding of the elements of composition, and have developed basic drawing skills. Is a prerequisite to Art 2110. Fees required. 3 lecture hours per week.

#### ART - 1120  Two-Dimensional Design  3.00 CR
A required foundation class for art majors and the recommended class for students in architecture, graphic arts, computer and interior design. Teaches students the principles and elements of two-dimensional design, critical thinking, and analysis. Uses lectures, slide presentations, videos and studio exercises. Fee required. 3 lecture hours per week.

#### ART - 1130  Three Dimensional Design  3.00 CR
A required class for students with an emphasis in art, and for all students interested in art. Reviews fundamental design principles and techniques. Students will acquire a working knowledge of various design methods and their relationship to the conceptualization, development, and completion of three-dimensional design projects. Critical thinking and analysis will be stressed. No prerequisite required. Fee required. 3 lecture hours per week.

#### ART - 2050  Intermediate Photography  3.00 CR
For students with an emphasis in art, and for more experienced photography students. Studio lighting, large format cameras, special effects, and advanced lab techniques will be explored. Students will be encouraged to expand the area of their knowledge through problems and assignments decided between the individual student and the teacher. Includes lectures, demonstrations, and studio practice labs. Students are encouraged to work towards creating a portfolio of images. Course fee required. 6 lab hours per week.

#### ART - 2060  Digital Photography  3.00 CR
Digital photography is an introductory class in the history, mechanics and applications of digital photography as well as basic photographic techniques and compositional skills. Course objectives will be met through a combination of lectures, viewing the work of master photographers, class assignments and in-class critiques of student work. 3 lecture hours per week.

#### ART - 2110  Intermediate Drawing  3.00 CR
For students with an emphasis in art, and for more experienced drawing students. Development of the concepts and skills necessary for expressive drawing. Emphasis will be on design, composition, the development of a personal mode of expression, and appreciation of master drawings and contemporary art forms. Includes lectures, demonstrations, and studio practice labs. Course fees required. 6 lab hours per week.
### ART - 2190 Intro to Sculpture 3.00 CR
For students with an emphasis in art, and for more experienced three-dimensional design students. Teaches methods of sculpting with emphasis on design and self-expression. Critical thinking and analysis will be stressed. Uses lectures, slide presentations, videos, guest lecturers, field trips to sculptors' studios and studio practice. This class fills requirements for art majors. Is a prerequisite to ART 3190. Course fees required. 6 lab hours per week.

### ART - 2210 Intro to Oil Painting 3.00 CR
For students with an emphasis in art, and for more experienced oil painting students. Various techniques will be explored and incorporated by students into their individual styles. Includes lectures, demonstrations, and studio practice labs. Those completing the course should be able to paint recognizable images, and be qualified to continue at a university. Course fee required. Is a prerequisite to ART 3210. 6 lab hours per week.

### ART - 2250 Intro to Watercolor 3.00 CR
For students with an emphasis in art, and for more experienced watercolor students. Exploration of creative approaches to watercolor painting. Emphasis on individual image painting and experimentation. Strong use of additive/subtractive elements of painting. Includes lectures, demonstrations, and studio practice labs. Is a prerequisite to ART 3250. Course fees required. 6 lab hours per week.

### ART - 2270 Phenomenon of Color 3.00 CR
The Phenomenon of color explores various color theory, its interpretations and numerous applications in the visual arts and design media. Special emphasis will be placed on knowledge of color interaction, applied color skills, optical phenomena and development of creative process and use of media. 3 lecture hours per week.

### ART - 2410 Intro to Life Drawing 3.00 CR
For students with an emphasis in art, and for more experienced students interested in drawing the human form. Various drawing techniques will be explored, with emphasis on greater accuracy in anatomical structure and form. Includes lectures, demonstrations, and studio practice labs. Is a prerequisite to ART 3410. Course fees required. 6 lab hours per week.

### ART - 2420 Intro to Portrait 3.00 CR
For students with an emphasis in art, and for more experienced portrait students. Various pastel painting techniques will be explored. Includes lectures, demonstrations, and studio practice labs. Those completing the course should be able to capture a good likeness with realistic color. Is a prerequisite to ART 3420. Course fees required. 6 lab hours per week.

### ART - 2570 Intro to Ceramics 3.00 CR
For students with an emphasis in art, and for all students interested in learning about and creating ceramics. Covers various methods of creating in clay with emphasis on throwing, hand building, decorating and glazing; also stresses the history of ceramics and contemporary ceramics. Uses lectures, slide presentations, videos, demonstrations, text reading assignments and studio practice. Course fee required. 6 lab hours per week.

### ART - 2900 Studio Practice 1.00 - 4.00 CR
For students who have taken all the art classes in their area of emphasis or who desire in-depth study in specialized areas. The instructor approves all course work, which is individualized and is based on written goals and objectives established by the student. Art 2900 is also used for credit in group field trips. Helps students appreciate and refine art skills. Gives the student opportunities to see masterpieces of art which develops aesthetic appreciation plus critical and analytical skills. Prerequisite: Instructor permission. 1 lecture hour and variable lab hours per week.

### ART - 2990 Seminars in Art 0.50 - 3.00 CR
For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. May be repeated for additional credit.

### ART - 2991 Seminar in Art 0.50 - 3.00 CR
For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. May be repeated for additional credit.
ART - 3050  Advanced Photography  3.00 CR
Introduction to studio practices and lighting. Includes portraits, commercial, product, and editorial skills. Portfolio preparation. Course fee required. Prerequisite: ART 2050. 6 lab hours per week.

ART - 3110  Creative Perspective Drawing  3.00 CR
Creative Perspective Drawing is a course designed for students with basic drawing skills desiring more individualized conceptual and subject variation. Course fee required. Prerequisite: ART 2110. 6 lab hours per week.

ART - 3130  3D Design II  3.00 CR
A required class for students with an emphasis in art, and for all students interested in art. Reviews fundamental design principles and techniques. Students will acquire a working knowledge of various design methods and their relationship to the conceptualization, development, and completion of three-dimensional design projects. Critical thinking and analysis will be stressed. Course fee required. 3 lecture and 1 lab hours per week.

ART - 3190  Intermediate Sculpture  3.00 CR
For students with an interest in art, and for more experienced three-dimensional design students. Teaches methods of sculpting with emphasis on design and self-expression. Critical thinking and analysis will be stressed. Uses lectures, slide presentations, videos, guest lecturers, field trips to sculptors’ studios and studio practice. This class fills requirements for art majors. Prerequisite: ART 2190. 6 lab hours per week.

ART - 3210  Head and Figure Painting  3.00 CR
This course is for art majors and non-majors who are interested in portrait and figure drawing. The course would also benefit students interested in illustration, visual technologies, gallery, and portrait painting. Students learn how to construct a painting, the steps and techniques, which include: drawing shapes; using size, angle, and position; drawing values; applying colors—dark, middle, light. The course teaches the set-up for gallery paintings or illustration and the business of making a living in art. Course instruction includes lecture and instructor demonstrations. The student will produce approximately 8 paintings for critique. Course completer should be able to paint a portrait showing a likeness and be prepared for further study in illustration, VT work, or studio painting. Prerequisites: ART 2210. Course fee required. 6 lab hours per week.

ART - 3250  Intermediate Watercolor  3.00 CR
Exploration of creative approaches to watercolor painting. Emphasis on individual image painting and experimentation. Strong use of additive/subtractive elements of painting. Includes lectures, demonstrations, and studio practice labs. Prerequisite: ART 2250. Course fee required. 6 lab hours per week.

ART - 3410  Intermediate Life Drawing  3.00 CR
For students with an interest in art, and for more experienced students interested in drawing the human form. Various drawing techniques will be explored, with emphasis on greater accuracy in anatomical structure and form. Includes lectures, demonstrations, and studio practice labs. Prerequisite: ART 2410. Course fee required. 6 lab hours per week.

ART - 3420  Intermediate Portrait Drawing  3.00 CR
For students with an interest in art, and for more experienced portrait students. Various pastel painting techniques will be explored. Includes lectures, demonstrations, and studio practice labs. Those completing the course should be able to capture a good likeness with realistic color. Course may be repeated for additional credit. Prerequisite: Art 2420. Course fees required. 6 lab hours per week.

ART - 3430  Media Experimentation  3.00 CR
This course will entail an exploration of drawing, painting, sculpture, and photo-computer media. Processes will result in new and innovations 2-D, 3-D, and installation presentation. Course fee required. Prerequisite: ART 2270 or instructor's permission. 2 lecture hours and 2 studio hours per week.

ART - 3570  Intermediate Ceramics  3.00 CR
For art majors and other students interested in the ceramic arts. This course is an advanced continuation of ceramics studies. It emphasizes wheel and hand-built works enhancing size, shape, construction, decoration, form, and function. Studies in professional work and glaze calculation will be explored. Includes studio lab work, demonstration, and lecture. Upon completion, students will have exhibit quality ceramic work, they will also be prepared to continue on to ART 4570 - Ceramics IV. Prerequisite: ART 2570. Course fee required. 6 lab hours per week.
For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

**ART - 4110 Expressive Drawing**  
3.00 CR

The objectives of this class are to explore the principles of linear perspective, space, and composition application. Course fee required. Prerequisite: ART 3110. 6 lab hours per week.

**ART - 4190 Advanced Sculpture**  
3.00 CR

For students with an interest in art, and for more experienced three-dimensional design students. Teaches methods of sculpting with emphasis on design and self-expression. Critical thinking and analysis will be stressed. Uses lectures, slide presentations, videos, guest lecturers, field trips to sculptors’ studios and studio practice. This class fill requirements for art majors. Prerequisite: ART 3190. 6 lab hours per week.

**ART - 4210 Adv Head and Figure Painting**  
3.00 CR

This course is a continuation of ART 3210. The course would also benefit students interested in illustration, visual technologies, gallery, and portrait painting. Students learn how to construct a painting, the steps and technologies, which include: drawing shapes; using size, angle, and position; drawing values; applying colors—dark, middle, light. The course teaches the set-up for gallery paintings or illustration and the business of making a living in art. Course instruction includes lecture and instructor demonstrations. The student will produce approximately 8 paintings for critique. Course completers should be able to paint a portrait showing a likeness and be prepared for further study in illustration, VT work, or studio painting. Prerequisite: ART 3210. Course fees required. 6 lab hours per week.

**ART - 4220 Advanced Painting, Landscape**  
3.00 CR

With landscape as its subject, the class will concentrate on forming and structuring ideas for proper expression of visual literacy. If weather permits on site (plein air) painting. Course fee required. Prerequisite: ART 2210. 3 lecture hours and 1 lab hour per week.

**ART - 4250 Advanced Watercolor**  
3.00 CR

Exploration of formal, technical and conceptual problems in water media, for students with painting experience. Emphasis on gaining proficiency in both transparent and opaque watercolor techniques. Course fee required. Prerequisite: ART 3250. 6 lab hours per week.

**ART - 4410 Advanced Life Drawing**  
3.00 CR

For students with an interest in art, and for more experienced three-dimensional design students. Teaches methods of sculpting with emphasis on design and self-expression. Critical thinking and analysis will be stressed. Uses lectures, slide presentations, videos, guest lecturers, field trips to sculptors’ studios and studio practice. This class fill requirements for art majors. Prerequisite: ART 3190. 6 lab hours per week.

**ART - 4570 Advanced Ceramics**  
3.00 CR

For art majors and other students interested in the ceramic arts. This course is an advanced continuation of ceramics studies. It emphasizes wheel and hand-built works enhancing size, shape, construction, decoration, form, and function. Advanced studies in professional work and glaze calculation will be required. Includes studio lab work, demonstration, lecture and portfolio work. Upon completion, students will have a series of exhibit ready ceramic work, and will also be prepared for life as an artist. Course may be repeated for additional credit. Prerequisite: ART 3570. Course fee required. 6 lab hours per week.

**ART - 4990 Seminar in Art**  
0.50 - 3.00 CR

For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

**ARTH - 2710 Art History I *FA**  
3.00 CR

For all students interested in art theory. An art historical study ranging from the prehistoric through the classical periods, early Christian to the end of the 15th Century. This course will cover the art, culture, and documentative history of specific nations and peoples. All aspects of visual art will be discussed, from painting to sculpture to architecture to clothing to details of religion, war, customs and everyday living. These early forms of imagery provide knowledge about contemporary society as a product of the past. 3 lecture hours per week.
For all students interested in art theory. An art historical study ranging from the works of the great Renaissance masters and their accomplishments in perspective, value and composition through the Baroque period of artistry, to the Neo-classic, Romantic, Impressionist, early Modern, Pop, to the present. All aspects of visual art will be covered including various media and photography's influence on 20th century art and expression. Emphasis will also be placed on the art work of contemporary artists of color and women artists. 3 lecture hours per week.

ASC - 1020 Success Skills 1.00 CR
For all students wanting to enhance their opportunities for success in and out of college. The course is designed to help students take charge of their own learning and develop competency in the skills essential for excelling. Lectures, discussion, and class projects focus on self-esteem, time management, reading textbooks, listening and note-taking, preparing for and taking tests. Through notebooks, projects and class goals, students will demonstrate improvement in the aforementioned skill areas. 1 lecture hour per week.

ASC - 2990 Seminar in Academic Support 0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission. Some seminar courses may require fees.

ASL - 1010 Beg American Sign Lang I *FL 4.00 CR
For beginning students interested in the American Sign Language. Emphasizes principles, methods, and techniques of communicating manually with deaf individuals. Teaches basic receptive and expressive skills. Also, overviews basic grammatical structure in signing. A variety of teaching methods are employed, including drills, videos, and work in pairs. This course, along with one other ASL course, will partially qualify students to receive an Associate of Arts degree. Successful completers are prepared to take ASL 1020. 4 lecture hours per week.

ASL - 1020 Beg American Sign Lang II *FL 4.00 CR
For students interested in American Sign Language who have completed ASL 1010 or who have equivalent experience. Students using 1020 as an entry level class may receive vertical credits for ASL 1010 upon passing 1020 with a C grade or higher. Emphasizes principles, methods, and techniques of communicating manually with deaf individuals. Continues the development of basic conversational skills with emphasis on the receptive skills, grammatical features, vocabulary development, and cultural awareness. Varied methods are used to teach the class, including drills, videos, and work in pairs. This course, along with one other ASL course, will partially qualify students to receive an Associate of Arts degree. Successful completers are prepared to take ASL 1010. Prerequisite: ASL 1010 or instructor permission. 4 lecture hours per week.

ASL - 2010 Inter American Sign Lang I *FL 4.00 CR
This course is taught fall semester only. For intermediate-level students who have taken ASL 1020, for students who have had equivalent experience (four or more years of high school ASL). Normally, students who have had extended contact with ASL uses may begin the ASL instruction at the intermediate levels and receive vertical credit for the beginning level classes if they receive a C grade or higher. Continued emphasis on communicative competence, including both expressive and receptive abilities. This course, along with one other ASL course, will partially qualify students to receive the Associate of Arts degree. Successful completers are prepared to take ASL 2020. Prerequisite: ASL 1020 or instructor permission. 4 lecture hours per week.

ASL - 2020 Inter Ameri Sign Lang II *FL 4.00 CR
This course is taught spring semester only. For intermediate-level students who have taken ASL 2010. Normally, students who have had extended contact with ASL uses may begin their ASL instruction at the intermediate levels and receive vertical credit for the beginning level classes if they receive a C grade or higher. Continued emphasis on communicative competence, including both expressive and receptive abilities. This course, along with one other ASL course, will partially qualify students to receive the Associate of Arts degree. Prerequisite: ASL 2010 or instructor permission. 4 lecture hours per week.

ASL - 2990 Seminar in Am. Sign Language 0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

AUTO - 1100 Automotive Fundamentals 3.50 CR
Automotive Fundamentals leads students through the design, construction, and operation of all major automotive systems. It is intended for those who need a solid foundation in the basics of automotive technology. The information in this course will be easy to understand and applicable to most vehicles. Each automotive system will be explained starting with the basic function and progressing through operation of the individual components making up the system. Automotive fundamentals will promote pride in the trade and awareness of the importance of the certified automobile technician. No tools are required. 3 lecture and 1 lab hour per week.

AUTO - 1120 Suspension & Steering 6.00 CR
This course is designed for Auto Technicians and other students interested in automotive suspension and steering repairs. Studies operation, diagnosis, adjustment and repair of various suspension and steering units and is instructed to Automotive Service Excellence (ASE) standards. Course curriculum includes individual tapes, guest speakers, audio/visual tapes, and hands on performance on vehicles. Completers should be able to pass ASE Certificate Test and should be able to work on Suspension & Steering systems for an entry level job. Lab is required. Minimal tools required. 4 lecture and 4 lab hours per week.
AUTO - 1130  Brakes  6.00 CR
This course is designed for students interested in obtaining knowledge in brakes. It includes diagnosis and repair of brakes per ASE rules and regulations. Course content includes lecture and lab, audio/visual tapes, working on brakes and ABS systems. Minimal tools required. 4 lecture and 4 lab hours per week.

AUTO - 1320  Engine Repair  6.00 CR
This course is designed for students interested in obtaining knowledge for engine repair. The course includes principles of construction and operation of the modern automotive engine and practical applications of repairing are instructed to ASE Standards. Course content includes: lab and lecture. A completer of this course should be able to pass ASE Certificate. Lab is required. Minimal tools required. 4 lecture and 4 lab hours per week.

AUTO - 1430  Manual Trans & Drive Trains  6.00 CR
This course is designed for students interested in obtaining knowledge in manual transmission and drive trains. It includes diagnosis and repair of manual transmission and drive trains as per ASE rules and regulations. Course content includes lecture and lab, audio/visual tapes, working on universal joints, CV joints, differentials, manual transmissions and drive trains. A completer of this course should be able to pass an ASE Certificate Test and should have entry level job skills in this area. Lab is required. Minimal tools required. 4 lecture and 4 lab hours per week.

AUTO - 1440  Automatic Transmissions  6.00 CR
This course is designed for students interested in obtaining knowledge in automatic transmissions. It includes diagnosis and repair of automatic transmissions and drive trains as per ASE rules and regulations. Course content includes lecture and lab, audio/visual tapes, automatic transmissions, and drive trains. A completer of this course should be able to pass ASE Certificate Test and should have entry level job skills. Lab is required. 4 lecture and 4 lab hours per week.

AUTO - 1500  Automotive Basic Maintenance  2.00 CR
This course is for anyone interested in obtaining knowledge on car maintenance. It is designed to give the student knowledge and basic skills in automotive maintenance. The course will provide information about purchasing, liability, and legal rights of the automobile owner. It will be taught through lecture, and audio/visual tapes. A completer of this course should have the knowledge and skills necessary to aid them in proper car maintenance. 1 lecture and 2 lab hours per week.

AUTO - 2100  Automotive Electrical Systems  6.00 CR
For students seeking basic electrical theory and diagnostic skills in automotive systems. Course content will involve lecture, lab, videos, group project, and on-car training of various electrical circuits. A completer should be able to pass ASE Certificate Test, electrical portion, and perform limited electrical testing/diagnosis and repairs. Lab is required. 4 lecture and 4 lab hours per week.

AUTO - 2220  Engine Performance I  6.00 CR
This course is designed for students interested in the electrical and vacuum components of automobiles. The course will allow students to identify and find electrical and vacuum components by using schematics and shop manuals. This course also includes study of the diagnosis and proper procedures to repair ignitions and computer controls on modern automobiles. Course content will be taught by lecture and lab, audio/visual aid, and hands on experience. A completer of this course should be able to properly assess readings of Electrical and Vacuum Diagram Component Locators and apply these to repair of ignition and computer controls. Lab is required. Minimal tools required. 4 lecture and 4 lab hours per week.

AUTO - 2330  Electronics/Heat/Air Condition  6.00 CR
This course involves testing and diagnostic skills in automotive computer and emission systems. Course also includes the study of heating and air conditioning units which involves testing and diagnosis of computerized electronic controls instructed to ASE standards. The course will be taught by lecture and lab, audio/visual aid, and hands on experience. Lab is required. Minimal tools required. 4 lecture and 4 lab hours per week.

AUTO - 2530  Adv Eng Perf/Alternate Fuels  6.00 CR
For students seeking knowledge of diagnosis and repair of ignition and fuel systems instructed to ASE standards. Course studies diagnosis and proper procedures to repair standard fuel systems and alternate fuel systems modern on automobiles. Curriculum includes ASE policies and procedures, lab and lecture material, and working on ignition and fuel systems. A completer of this course should be able to pass ASE Certificate Test and have minimum diagnosis and repair skills. This course will give the student the knowledge to take the ASE test. Lab is required. 4 lecture and 4 lab hours per week.

AVIA - 2170  Ground: Private Pilot  3.00 CR
Instruction in principles of flight, aircraft and engine operation, weather, navigation, radio aids to navigation, radio communications, and federal air regulations. Preparation for FAA Private Pilot written exam. 3 lecture hours per week.

AVIA - 2180  Private Pilot License  3.00 CR
Instruction is available through any licensed instruction school. Additional fees based on the private instruction received. Pre or corequisite: AVIA 2170.
AVIA - 2370  Ground: Instrument Pilot  2.00 CR

Ground school approved by FAA under part 141 of the Federal Aviation Regulations. Designed to prepare students to pass the FAA oral and written examinations required for becoming instrument rated pilots. Additional Fees: Instruction is available through any licensed instruction school. Prerequisites: AVIA 2170, AVIA 2180. 2 lecture hours per week.

AVIA - 2380  Flight: Instrument Rating  2.00 CR

FAA approved flight training program introducing requirements for the issuance of the Instrument Pilot Airplane Rating. Additional Fees: instruction is available through any licensed instruction school. Prerequisites: AVIA 2170, AVIA 2180. Corequisite: AVIA 2370. 2 lecture hours per week.

AVIA - 3010  Aviation Principles  3.00 CR

This course provides an overview of the basic principles and concepts of the aviation industry, both general and commercial. Topics covered will include the core principles of aviation history, industry, economics and business models (government regulated, legacy carrier, low-cost carrier, regional, foreign, etc.). Industry pricing and production principles will also be discussed. This course is a pre/co-requisite for all upper division aviation courses. Prerequisite: Admission to Dixie State College Aviation Management baccalaureate program. 3 lecture hours per week.

AVIA - 3015  Principles of Leadership  3.00 CR

This course covers the basic concepts and principles of effective leadership and introduces the student to a variety of practical tools for leadership development. Methodologies for creating, maintaining, and utilizing a business work culture will be covered. Students will also have an opportunity to exercise management decision-making skills and problem-solving techniques through the use of group discussions and up to date case analysis in relevant situations. Prerequisite: Admission to Dixie State College Aviation Management baccalaureate program. 3 lecture hours per week.

AVIA - 3020  Aviation Regulations & Safety  3.00 CR

This course will cover the full breadth of aviation safety issues. Topics will include the importance of safety in the aviation industry and a study of aviation accidents and prevention models. Management of safety-related issues from a public relations and media perspective, as well as crisis management principles will be covered. Prerequisite: Admission to Dixie State College Aviation Management baccalaureate program. 3 lecture hours per week.

AVIA - 3030  Aviation Law  3.00 CR

As one of the most regulated industries in the country, aviation requires a critical understanding of the legal regulations and policies that govern the industry. This course will explore the wide variety of regulatory agencies that are charged with industry oversight and the laws and policies they generate. The political perspectives of the airport/airline industry will also be covered, as well as organized labor relations in aviation. Prerequisite: Admission to Dixie State College Aviation Management baccalaureate program. 3 lecture hours per week.

AVIA - 3040  Aviation Economics  4.00 CR

This course covers the basic principles of micro and macro economics and offers an introduction to the way economic theory explains scarcity, consumer and producer choice, competition and monopoly, labor, capital, resource markets, antitrust and other government relations, income distribution, supply and demand, the role of government, international trade and finance, inflation, depression, economic growth, and government debt. The course helps students understand and appreciate the ideas, processes, dynamics, and institutions that underlie the social and economic system and make the American economy work. Prerequisite: Admission to Dixie State College Aviation Management baccalaureate program. 4 lecture hours per week.

AVIA - 3050  Aviation Finance  3.00 CR

An introduction to the administrative and financial aspects of aviation management. Topics include financial and accounting strategies, financial analysis and planning, budgeting, short, intermediate, and long term financing, leveraging, revenue and expense sources, economic impacts of aviation operations, etc. Aviation-related businesses are emphasized. Prerequisite: Admission to Dixie State college Aviation Management baccalaureate program. 3 lecture hours per week.

AVIA - 3170  Ground: Commercial Pilot  2.00 CR

Commercial flight operations including performance, cross country planning, advanced systems operations, complex airplanes, and flight maneuvers. Additional Fees: instruction is available through any licensed instruction school. Prerequisites: AVIA 2170, AVIA 2180 and advanced standing in the business baccalaureate program. 2 lecture hours per week.

AVIA - 3180  Commercial Pilot License  3.00 CR

Instruction is available through any licensed instruction school. Additional fees will apply. Prerequisites: AVIA 2170, AVIA 2180 and advanced standing in the business baccalaureate program. Pre or corequisite: AVIA 3170.

AVIA - 4010  Aviation Accounting  3.00 CR

This course will focus on those accounting and financial principles that are unique to the aviation industry. Topics covered will include asset management, revenue management, debt financing, financial reporting requirements, regulatory accounting issues, aircraft maintenance management, and unique departmental accounting issues. Prerequisites: ACCT 3000 and admission to Dixie State College Aviation Management baccalaureate program. 3 lecture hours per week.
AVIA - 4020  
Aviation Marketing  
3.00 CR
An examination of marketing strategies in the aviation industry. Students will develop an awareness of the nuances of successful marketing efforts in a broad spectrum of aviation-related environments. Topics will include advertising, public affairs, image/brand management, and business recruiting in both airline and airport settings. Prerequisites: AVIA 3010, MKTG 3010 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

AVIA - 4200  
Aviation Internships  
1.00 - 3.00 CR
Prerequisite: Advanced standing in the business baccalaureate program and advisor permission required.

AVIA - 4800  
Aviation Management  
3.00 CR
This course will cover the full spectrum of aviation management and will include topics on airport/airline management-related issues, airport/airline operations, general aviation/fixed base operations, customer service, aircraft maintenance, flight operations, and leadership development. Industry pricing and production principles will also be discussed with a focus on revenue management, supply/demand dynamics, utilization, and unit costs. Prerequisites: AVIA 3010, AVIA 3020, AVIA 3030 , AVIA 4010, AVIA 4020 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

BIOL 1001  
Intro. to the Biology Major  
1.00 CR
BIOL 1001 is an orientation course created to help students succeed in the biology major. It is also designed to help new freshman and returning students to make a successful transition to being a college student. The primary objective of this course is to provide you with the resources you will need to succeed in your college career, particularly in your biology courses. 2 lecture hours per week.

BIOL 1010  
General Biology *LS  
3.00 CR
An introductory course for non-science majors stressing general principles of Biology. Not accepted for science majors. Introduces cell theory, genetics, evolution, and interrelationships of living things. Uses a variety of teaching methods including lecture/discussion, laboratory, overheads, videos, quizzes and exams. Successful completion of the course should give students a greater understanding of the biological world. Satisfies prerequisites for BIOL 1200 and 2300. 3 lecture hours per week.

BIOL 1015  
General Biology Lab  
1.00 CR
This laboratory course is designed to accompany the BIOL 1010 lecture. Students will be given a variety of opportunities for hands-on experiences in a laboratory setting including, but not limited to, the use of microscopes, measurement and simple data analysis, observations of osmosis and diffusion, and other group activities. Students will be expected to complete written laboratory assignments. The successful student will gain an appreciation for the true essence of science and the scientific process of acquiring knowledge through inquiry-based assignments. Lab fee required. Corequisite: BIOL 1010. 3 lab hours per week.

BIOL 1200  
Human Biology  
3.00 CR
For students seeking to fill a second course in the general education Biological science requirement, or students that need a 3 credit course for Paramedics that covers anatomy and physiology of the human. Designed for students not majoring in a biological science area. This course will stress general structure and function of the human body including tissues, organs and systems. Through lecture, videos, models, quizzes, and tests, students become familiar with how the human body functions. Successful completion of this course enables students to identify many body parts and describe many body functions. Prerequisites: BIOL 1010 or BIOL 1610. 3 lecture hours per week.

BIOL 1500  
Intro to Biotechnology  
3.00 CR
An introduction to biotechnology. Students will experience the direction of animal and plant culture as it relates to genetic engineering. Through lecture and laboratory exercises, students will be exposed to this new field of study. Prerequisite: AP High School Biology or BIOL 1610. 3 lecture hours per week.

BIOL 1505  
Biotechnology LAB  
1.00 CR
A laboratory course for BIOL 1500. Students will experience techniques in genetic recombination, isolating DNA, culture growth and instrumentation used in biotechnology. Lab fee required. 2 lab hours per week.

BIOL 1610  
Principles of Biology I *LS  
4.00 CR
An introductory course designed for Biology majors including pre-medical, pre-dental, pre-veterinary, nursing and other health professions students. Emphasis on concepts pertaining to the scientific method cell processes including basic chemistry, cellular level structure and function, and principles of inheritance, evolution and ecology. In-class or out-of-class written assignments may be given. Successful completion of the course enables students to fulfill general education requirements for Life Science and prepares students for subsequent coursework in the Biological Sciences. Satisfies prerequisites for BIOL 1050, BIOL 1200, BIOL 2010, BIOL 2030, BIOL 2110, BIOL 2300, BIOL 2400, BIOL 2440. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript. Prerequisite: ACT/CPT score of 19 or equivalent in Reading, or ENGL 1470. 4 lecture hours per week.
A laboratory course to be taken concurrently with BIOL 1610. Lab fee required. 3 lab hours per week.

Principles of Biology I Lab
1.00 CR

Principles of Biology II
4.00 CR

A second course that satisfies the basic requirement for Biology majors including pre-medical, pre-dental, pre-veterinary, nursing and other health professions students. Emphasis on concepts pertaining to Evolution, diversity processes, animal structure and function, plant structure and function. In-class or out-of-class written assignments may be given. Successful completion of the course enables students to proceed with other biology courses with the basic preparation required at any transfer University. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript. Prerequisite: BIOL 1610. 4 lecture hours per week.

Principles of Biology II Lab
1.00 CR

A laboratory course to be taken concurrently with BIOL 1620. Lab fee required. 3 lab hours per week.

Principles of Genetics
4.00 CR

An introductory course in genetics required for all biology majors including pre-medical, pre-dental, and pre-veterinary students. Exploration of classical, molecular, and evolutionary genetics including, but not limited to, Mendelian principles of inheritance, gene linkage and mapping, pedigree analysis, cytogenetics, structure and chemistry of genes, gene expression, DNA cloning and sequencing, mutations and their repair, non Mendelian inheritance, quantitative inheritance, and population genetics. Class requirements include a variety of problems and written assignments based upon the lectures and class discussions. Successful completion of the course gives students a firm understanding of basic genetics and makes them aware of the latest research in the field. Prerequisites: MATH 1010 and one of the following: BIOL 1010 or BIOL 1610. 4 lecture hours per week.

Principles of Microbiology
3.00 CR

For biology majors, students in dentistry, medicine, and other pre-professional programs. Teaches essentials of microbiology including disease control, nomenclature, function of immune system, pathologies, causes and cures, genetic engineering, and laboratory methods for safely studying microorganisms. Uses a variety of teaching methods including lecture/discussion, laboratory, videos, overheads, quizzes and exams. Successful completion of the course gives students an understanding of microbes and their relationship to the human system and health. Laboratory will stress safety, sterile technique, methods of staining, preparing, culturing, and transferring microorganisms, and identification of an unknown. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript. Prerequisites: BIOL 1610, BIOL 1615. 3 lecture hours per week.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL - 2065</td>
<td>Principles of Microbiology Lab</td>
<td>1.00 CR</td>
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<tr>
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<td>A laboratory course to be taken concurrently with BIOL 2060. Prerequisites: BIOL 1610 and 1615. Lab fee required. 3 lab hours per week.</td>
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<tr>
<td>BIOL - 2220</td>
<td>General Ecology</td>
<td>3.00 CR</td>
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<td>A course for applied and pure pre-plant sciences, biology, environmental hazardous materials technology, environmental sciences, natural resources, park naturalist, plant geography, range science, soil science, wildlife, weed control technology, and animal science majors. Teaches students the nature and development of Utah, United States, and world communities and their relations to the environmental factors controlling them. Covers organisms and their geographical distribution, interorganismic interactions, and speciation. Teaches ecological methods of study in aquatic and terrestrial ecosystems. This course prepares students to either enter the work force, summer employment or transfer into a bachelor's degree program. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript. Prerequisites: BIOL 1610 and 1615 or instructor permission. 3 lecture hours per week.</td>
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<tr>
<td>BIOL - 2225</td>
<td>General Ecology Lab</td>
<td>1.00 CR</td>
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<td>A laboratory course to be taken concurrently with BIOL 2220. Prerequisites: BIOL 1610 and 1615, or instructor permission. Lab fee required. 3 lab hours per week which includes frequent field trips.</td>
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<tr>
<td>BIOL - 2300</td>
<td>Local Flora</td>
<td>3.00 CR</td>
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<td>For all students seeking to fill a second course in the general education life science requirement. Designed for students in elementary and secondary education, landscape architecture, biology, pharmacology, agriculture, agronomy, horticulture, biotechnology, natural resources, ecology, environmental biology, range science, resource management, wildlife, weed control technology, park naturalist, and other applied and pure plant science fields. Teaches how to collect and identify vascular plants using manuals. Allows a student to talk or write about plants, to discover medical or pharmaceutical use of plants, to choose garden or house plant, and make informed decisions. Successful completion of this course prepares students for biology and applied and pure pre-plant science degrees. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript. Prerequisite: BIOL 1010 or BIOL 1610/1615. 3 lecture hours per week.</td>
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<tr>
<td>BIOL - 2310</td>
<td>Local Flora Lab</td>
<td>1.00 CR</td>
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<td></td>
<td>A laboratory course to be taken concurrently with BIOL 2300. Prerequisites: BIOL 1010 or BIOL 1610. Lab fee required. 3 lab hours per week which includes frequent field trips.</td>
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<tr>
<td>BIOL - 2320</td>
<td>Human Anatomy</td>
<td>3.00 CR</td>
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<td>This course is for students in the health science fields, including nursing, pre-medical, pre-dental, physical therapy, and many others. It is also an option for biology majors, and those interested in massage therapy. The course examines the structures of the human body, including muscles, nerves, blood supply, bones, lymph, internal organs, and reproductive anatomy. The course includes lectures supplemented with laboratory examinations of cadavers, models, and CD-ROM. Successful completion of the course gives students great familiarity with the nomenclature and locations of structures in the human body, at an advanced level. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript. Prerequisites: BIOL 1610 or equivalent. 3 lecture hours per week.</td>
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<tr>
<td>BIOL - 2325</td>
<td>Human Anatomy Lab</td>
<td>2.00 CR</td>
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<td>A laboratory course to be taken concurrently with BIOL 2320. Prerequisites: BIOL 1610 and 1615. Lab fee required. 4 lab hours per week.</td>
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<tr>
<td>BIOL - 2350</td>
<td>Fall Flora</td>
<td>2.00 CR</td>
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<td>Plant Classification (trees and shrubs). For all students interested in learning: “What kind of plant is that?” Designed for anyone in the biological sciences as a profession in education, landscaping, agriculture, horticulture, natural resources ecology, environment, wildlife, weed control, park naturalist, or as a hobby. Teaches how to collect and identify vascular plants, primarily trees and shrubs, using manuals. Allows a student to talk or write about plants, to choose garden or houseplants. No prerequisite. Concurrent enrollment in lab section required.</td>
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<tr>
<td>BIOL - 2355</td>
<td>Fall Flora Lab</td>
<td>1.00 CR</td>
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<td></td>
<td>Plant Classification (trees and shrubs). A laboratory course to be taken concurrently with BIOL 2350. Three lab hours per week, which includes frequent field trips.</td>
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<tr>
<td>BIOL - 2360</td>
<td>Spring Flora</td>
<td>2.00 CR</td>
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<td>Plant Classification (spring wild flowers). For all students interested in learning: “What kind of plant is that?” Designed for anyone in the biological sciences as a profession in education, landscaping, agriculture, horticulture, natural resources, ecology, environment, wildlife, weed control, park naturalist, or as a hobby. Teaches how to collect and identify vascular plants, primarily wild flowers, using manuals. Allows a student to talk or write about plants, to choose garden or houseplants. Lab required. 2 lecture hours per week.</td>
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<td>Course Code</td>
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<tr>
<td>BIOL - 2365</td>
<td>Spring Flora Lab</td>
<td>1.00 CR</td>
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<td>A laboratory course to be taken concurrently with BIOL 2360. Three lab hours per week, which includes frequent field trips.</td>
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<tr>
<td>BIOL - 2370</td>
<td>Economic Botany</td>
<td>3.00 CR</td>
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<td>For all students seeking to fill an elective course in life science, elementary or secondary education, or any other applied or pure science fields. This course teaches about plants and plant products useful to humans. Major topics covered are: fibers, forest products, tanning and dying material, rubber and other latex products, gums and resins, essential oils, fats and waxes, sugar, starches, and cellulose products, medicinal plants, food plants, spices, and beverage plants, and many other plant products. Prerequisite: BIOL 1010 or BIOL 1610/1615 or instructor permission. 3 lecture hours per week.</td>
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<tr>
<td>BIOL - 2400</td>
<td>Plant Kingdom</td>
<td>3.00 CR</td>
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<td>Surveys of the Divisions traditionally studied by botanists. Coverage includes the structure, reproduction, systematics and evolution of the major prokaryotic, fungal, algal, and plant groups. Prerequisites: BIOL 1610 and BIOL 1615, or with instructor permission. Lab required. 3 lecture hours per week.</td>
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<tr>
<td>BIOL - 2405</td>
<td>Plant Kingdom LAB</td>
<td>1.00 CR</td>
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<td>A laboratory experience that complements and reinforces concepts taught in BIOL 2400: Plant Kingdom lecture. Must be taken concurrently with BIOL 2400. Lab fee required. 3 lab hours per week.</td>
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<tr>
<td>BIOL - 2420</td>
<td>Human Physiology</td>
<td>3.00 CR</td>
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<td>This course is for students in the health science fields, including nursing, pre-medical, pre-dental, physical therapy and many others. It is also recommended for biology majors. The course examines the way in which the body's functions are carried out, utilizing a systems approach; the course covers topics such as blood chemistry, nerve impulse transmission, kidney function, muscle contraction, and heart function. The course is taught in a series of lectures, supplemented with laboratory investigations of lecture topics. Successful completion of this intensive course gives students pursuing biology-related careers sufficient familiarity with the details of biological functions to enable them to understand disease processes, treatment procedures, research pursuits, and evolutionary consequences of various aspects of physiology. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript. Prerequisite: BIOL 1610. 3 lecture hours per week.</td>
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<tr>
<td>BIOL - 2425</td>
<td>Human Physiology Lab</td>
<td>1.00 CR</td>
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<td>A laboratory course to be taken concurrently with BIOL 2420. Prerequisites: BIOL 1610 and 1615. Lab fee required. 2 lab hours per week.</td>
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<tr>
<td>BIOL - 2990</td>
<td>Seminar in Biology</td>
<td>0.50 - 3.00 CR</td>
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<td>For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.</td>
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<tr>
<td>BIOL - 3000</td>
<td>Rural Health Scholars</td>
<td>1.00 CR</td>
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<td>Rural Health Scholars is a program to help prepare pre-medical, pre-dental, pre-pharmacy, pre-physician assistant, pre-optometry and other undergraduate health students for entry into professional schools. The one-hour per week course includes opportunities to hear guest speakers, participate in health-related service learning projects, gain patient exposure and research opportunities, perform job shadowing and volunteer work, visit Mexican and/or Navajo medical clinics, receive help with professional school applications, practice mock interviews, receive mentoring, one-on-one advisement/evaluation, and much more. Students must be willing to adhere to a student contract and participate in scheduled activities. Course may be repeated each semester. However, no more than 2 credits count toward the B.S. degree in Biology. Fee required. Course is pass/fail.</td>
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<td>BIOL - 3010</td>
<td>Biological Evolution</td>
<td>3.00 CR</td>
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<td>This course focuses on the concepts of evolution as a fundamental principle of biology. Emphasis will include evidence for evolution in nature, the mechanisms of evolutionary change including elementary population genetic analysis, evolution of major groups of life forms, natural selection and speciation and their importance in establishing the life forms on our planet. Prerequisites: BIOL 1620/1625 and BIOL 2030. 3 lecture hours per week.</td>
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<tr>
<td>BIOL - 3020</td>
<td>Cell Biology</td>
<td>3.00 CR</td>
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This course satisfies part of the core requirements for Biology majors and is designed to provide students with a solid background in cell biology (incorporating biochemistry and molecular biology). Cell biology is a dynamic area of study in the field of biology that merges studies of cell structure and cell function. Course content includes the basics of cell structure, function, metabolism, signaling, and communication. In addition to material from the textbook, students will also be presented with material from primary literature sources. Students successfully completing BIOL 3020 will obtain the foundation required for other upper-level biology courses including histology, pathophysiology, and developmental biology. Prerequisites: BIOL 1610/1615 and CHEM 1220/1225. Corequisite: BIOL 3025. 3 lecture hours per week.

BIOL - 3205  Cell Biology Lab  1.00 CR
This laboratory course is designed to accompany BIOL 3020 and incorporates concepts covered in lecture to introduce the student to modern cell biology techniques. Lab fee required. Prerequisites: BIOL 1610/1615 and CHEM 1220/1225. Corequisites: BIOL 3020. 3 lab hours per week.

BIOL - 3100  Bioethics  3.00 CR
This course is an examination of the recent advancements in medicine and biological sciences in relation to basic ethical theories and traditional value systems. The focus will be upon human reproduction, medical care, genetic engineering, humans as experimental subjects, environmental issues, and death and dying. Prerequisites: BIOL 1610/1615 or BIOL 1010. 3 lecture hours per week.

BIOL - 3140  Comparative Vertebrate Anatomy  3.00 CR
This course is for students majoring in the biological sciences, including biology, zoology, or any wildlife field. The lecture course covers the evolution of vertebrate design, surveying the tissue types that have changed to allow vertebrates to perform specific functions. Bones and muscles in particular will be emphasized, along with special tissues such as feathers, fur, and scales. Comparisons among groups of vertebrates will be highlighted to reveal the different evolutionary pathways followed. Successful completion of the course will permit a student to explain and clearly understand major evolutionary trends among the vertebrates, along with specific instances where particular adaptations have allowed special functions to develop very efficiently like flying, digging, deep diving, and great running speed. Prerequisites: BIOL 1620/1625; BIOL 3010 strongly recommended. Corequisite: BIOL 3145. 3 lecture hours per week.

BIOL - 3145  Comparative Vert Anatomy Lab  1.00 CR
This three-hour laboratory course is to be taken concurrently with BIOL 3140. Students will dissect representative vertebrates to learn the 3-dimensional anatomy, emphasizing similarities and differences among large vertebrate groups. Some laboratory exercises may involve touring museums that demonstrate vertebrate anatomy. Successful completion will mean that a student is trained to dissect nearly any vertebrate and point out major anatomical features. Lab fee required. Prerequisites: BIOL 1620/1625; BIOL 3010 strongly recommended. Corequisite: BIOL 3140. 3 lab hours per week.

BIOL - 3150  Introduction to Biometry  2.00 CR
This course satisfies the biostatistics requirement for biology majors. Topics included are experimental design, methods of data collection, statistical concepts, probability, testing of hypotheses, graphing techniques, estimation, discrete and continuous distributions, chi-square tests. Linear regression and correlation, analysis of variance, parametric and nonparametric tests. Students successfully completing BIOL 3150 will be able to identify and apply the proper statistical test(s) in the analysis of given data sets. Prerequisite: MATH 1050. Corequisite: BIOL 3155. 2 lecture hours per week.

BIOL - 3155  Introduction to Biometry Lab  1.00 CR
This laboratory course is designed to accompany BIOL 3150 and will provide the student with opportunities to practice and apply the statistical concepts presented in the lecture portion of the course. Prerequisite: MATH 1050. Corequisite: BIOL 3150. 3 lab hours per week.

BIOL - 3200  Invertebrate Zoology  3.00 CR
This course is designed for Biology majors and is a general study of invertebrate animal phyla including sponges, cnidarians, flatworms, roundworms, rotifers, mollusks, annelids, arthropods, echinoderms, and others. Emphasis will be upon characteristics, variations in body plans, life cycles, adaptations, and evolutionary relationships among major groups of animals. Uses a variety of teaching methods including lecture/discussion, review of scientific journal articles, writing assignments, videos, quizzes, exams, and laboratory. Successful completion of the course will allow students to identify major invertebrate animal phyla and discuss evolutionary trends pertaining to them. Prerequisites: BIOL 1620/1625. Corequisite: BIOL 3205. 3 lecture hours per week.

BIOL - 3205  Invertebrate Zoology Lab  1.00 CR
This laboratory course is designed to accompany the BIOL 3200 lecture and will provide students with hands-on opportunities to dissect and study representatives of the various invertebrate animal phyla. Occasional field trips may be included. Lab fee required. Prerequisites: BIOL 1620/1625. Corequisite: BIOL 3200. 3 lab hours per week.

BIOL - 3230  Cadaver Practicum  2.00 CR
This course is for students who want more experience in human dissection. Students will be instructed in the maintenance, dissection, and demonstration of the human cadaver. Students are required to perform six hours per week of dissection. Prerequisite: BIOL 2320/2325 and instructor permission. Enrollment is limited. Fee required. 6 practicum hours per week.
BIOL - 3340  Plant Anatomy  3.00 CR
This course is designed for Biology majors and provides study of the development and microscopic structure of the stems, leaves, roots, and reproductive structures of vascular plants with emphasis on the flowering plants. Uses a variety of teaching methods including lecture/discussion, review of scientific journal articles, writing assignments, videos, quizzes, and exams, and laboratory. Successful completion of this course will allow students to categorize plants according to microscopic structure of tissues. Prerequisites: BIOL 1620/1625, BIOL 2400/2405. Corequisite: BIOL 3345. 3 lecture hours per week.

BIOL - 3345  Plant Anatomy Lab  1.00 CR
This laboratory course is designed to accompany the BIOL 3340 lecture and will provide students with experience in using compound microscopy to study the features of various plant tissues such as stems, roots, leaves, and reproductive structures. Lab fee required. Prerequisites: BIOL 1620/1625, BIOL 2400/2405. Corequisite: BIOL 3340. 3 lab hours per week.

BIOL - 3360  Developmental Biology  3.00 CR
This lecture course is designed to introduce all biology students to the major patterns of development seen in animal embryos. Recent advances in the roles played by organizational genes will be stressed, as will the interactions among chemical gradients that cause tissue differentiation. Throughout the course, the constraints posed by developmental necessities on evolutionary change will be emphasized. Successful students will be able to describe the evolution of different body plans, with similarities and differences among major animal taxa, and the crucial importance of early stages of development in the proper functioning of mature organisms. Prerequisites: BIOL 1610/1615; BIOL 2030 strongly recommended. Corequisite: BIOL 3365. 3 lecture hours per week.

BIOL - 3365  Developmental Biology Lab  1.00 CR
This weekly, three-hour laboratory course will explore the different embryological strategies used by various animal groups as they evolved into more complex organisms. Where possible, development will be observed directly (through microscopes) as it proceeds. Generally, representative invertebrate, amphibian, and bird developmental stages will be studied with prepared microscope slides. Where appropriate, development of specific tissues may be additionally studied in mammals or reptiles. The successful student will achieve a thorough understanding of body plans and developmental strategies used to create the diverse animal phenotypes seen in the natural world. The student will also be able to cite particular developmental problems and the resulting impact on the adult form. Lab fee required. Prerequisites: BIOL 1610/1615; BIOL 2030 strongly recommended. Corequisite: BIOL 3360. 3 lab hours per week.

BIOL - 3450  General Microbiology  3.00 CR
This course satisfies part of the core requirements for Biology majors (including pre-medical, pre-dental, pre-veterinary, and other health professions students who need a more rigorous course). The course emphasizes relationships between microbes and their ecosystems, and biotechnological applications including food production, spoilage and preservation, fermentation technology, agriculture, waste disposal, water lecture/discussion, review of scientific journal articles, writing assignments, videos, quizzes, exams, and laboratory. Successful completion of the course gives students an understanding of the importance of microbes to biological communities and allows a student to proceed with other biology courses either at Dixie or a transfer university. Prerequisites: BIOL 1610 and BIOL 1615. Corequisite: BIOL 3455. 3 lab hours per week.

BIOL - 3455  General Microbiology Lab  1.00 CR
This laboratory course is designed to accompany BIOL 3450 and will provide students with basic and applied methodologies including isolation of commercially useful strains and production and purification of industrial products. Lab fee required. Prerequisites: BIOL 1610 and BIOL 1615. Corequisite: BIOL 3450. 3 lab hours per week.

BIOL - 3460  Biology of Infectious Disease  3.00 CR
The agents of infectious diseases demonstrate excellent examples of natural selection. The various adaptations of the pathogen and defenses of the host illustrate some of the most amazing mechanisms in biology. This course will provide students with a modern view of the basic biology of bacterial and viral diseases and will build a foundation for more advanced studies in microbiology, microbial pathogenesis, and immunology. Topics will include characteristics of microbes, corresponding defense mechanisms evolved by hosts of these microbes, and mechanisms of pathogenesis during infection. Molecular, cellular, and physiological concepts will be developed through use of both clinical and epidemiological pictures of selected diseases. Successful completion of the course gives students an understanding of the importance of microbes to biological communities and how evolution has and continues to impact aspects of disease transmission and control. Prerequisites: BIOL 1620/1625, BIOL 2030 or BIOL 3020/3025. 3 lecture hours per week.

BIOL - 3470  Intro to Immunology  3.00 CR
This course is designed for Biology majors wanting more coverage of topics related to the immune system and its response to microbes and viruses. General properties of immune responses, cells and tissues of the immune system, antibody-mediated and cell-mediated mechanisms of immunity, immunity to microbes, immunodeficiency and AIDS, autoimmune diseases, and transplantation will be discussed. Uses a variety of teaching methods including lecture/discussion, review of scientific journal articles, writing assignments, videos, quizzes, and exams. Successful completion of the course gives students a better understanding of the importance of the immune system to overall health and wellness of humans and other mammalian systems. Prerequisites: BIOL 3020/3025 or BIOL 3450/3455, BIOL 2030 or CHEM 3510 recommended. 3 lecture hours per week.

BIOL - 4130  Biology Teaching Methods  3.00 CR
This course is designed to help secondary biology teachers plan, teach, and evaluate activities for their biology classes. Students will examine objectives, instructional methods, and curriculum for biology in secondary schools. Students will gain experience in developing, adapting, evaluating and using strategies and materials for teaching biology. Special characteristics of the science discipline will be considered. Students will be exposed to a diversity of laboratory and outdoor environmental materials and methods. NOTE: This course does not count as an elective course for the B.S. degree in Biology. Prerequisite: Junior or Senior status and admission to a secondary teacher program, or permission of instructor.
This course is designed to provide a basic understanding of the structural organization of cells, tissues, and organ systems at the microscopic level. Histology focuses on the characteristics of individual cell types within each tissue type as well as how the cells and tissues are organized to form organs. It emphasizes the dynamic relationships between structure and function. An important goal of histology is to help students acquire the knowledge and skills that they will need for subsequent study in the biological sciences.

Corequisite: BIOL 4195: Mammalian Histology Lab.

**BIOL - 4190** Mammalian Histology 3.00 CR

A laboratory course to accompany the BIOL 4190: Mammalian Histology lecture. Corequisite: BIOL 4190. Lab fee required. 2 lab hours per week.

**BIOL - 4200** Plant Taxonomy 2.00 CR

This course is designed for Biology majors wishing to gain experience in plant systematics. The focus of this course is instruction on the collecting of plants and systems of classification. Successful completion of this course will allow the student to identify plants in the field using diagnostic techniques including the use of dichotomous keys. Field trips are required. Prerequisites: BIOL 1610, BIOL 1615, BIOL 2400, and BIOL2405. Corequisite: BIOL 4205. 2 lecture hours per week.

**BIOL - 4205** Plant Taxonomy Lab 2.00 CR

This laboratory course is designed to accompany the BIOL 4200 lecture. Students will gain hands on experience in the collection and classification of plants through field trips, dissection of plants, microscopy, and the use of dichotomous keys. Study of herbarium specimens will be utilized. Plant collection is required. Lab fee required. Prerequisites: BIOL 1610, BIOL1615, BIOL 2400, and BIOL 2405. Corequisite: BIOL 4200. 6 lab hours per week.

**BIOL - 4230** General Parasitology 3.00 CR

This course satisfies a basic requirement for Biology majors including pre-medical, pre-dental, pre-veterinary, nursing and other health professions students. The broad field of animal parasitology includes organisms classified as protozoa, helminthes, and arthropods of veterinary and medical importance. Course emphasizes identification, life cycles, control and economic impact. Uses a variety of teaching methods including lecture/discussion, review of scientific journal articles, writing assignments, videos, quizzes, exams, and laboratory. Successful completion of the course gives students an understanding of the interaction between host and parasite, and allows students to proceed with other biology courses either at Dixie or a transfer university. Prerequisites: BIOL 1620, BIOL 1625, and junior or senior status. Corequisite: BIOL 4235. 3 lecture hours per week.

**BIOL - 4235** General Parasitology Lab 1.00 CR

This laboratory is designed to accompany the BIOL 4230 lecture. It emphasizes morphology and identification of representative groups of parasites, as well as diagnostic techniques of parasitic disease. Lab fee required. Prerequisites: BIOL 1620 and BIOL1625, and junior or senior status. Corequisite: BIOL 4230. 3 lab hours per week.

**BIOL - 4260** Herpetology 2.00 CR

This course is designed for Biology majors and satisfies an elective requirement. The course covers the biology of amphibians and reptiles including evolutionary history, functional morphology, physiological ecology, biogeography, reproductive, and population ecology. Successful completion of the course will allow students to identify various reptiles and amphibians, especially those found locally, and to discuss evolutionary and ecological relationships among them. Prerequisites: BIOL 1620/1625 and BIOL 2220/2225. Corequisite: BIOL 4265. 2 lecture hours per week.

**BIOL - 4265** Herpetology Lab 1.00 CR

This laboratory course is designed to accompany the BIOL 4260 lecture. Lab sessions and field trips will cover systematics, natural history, and collecting/sampling techniques. Lab fee required. Prerequisites: BIOL 1620/1625, BIOL 2220/2225. Corequisite: BIOL 4260. 3 lab hours per week.

**BIOL - 4270** Ichthyology 2.00 CR

This course is designed for Biology majors and satisfies an elective requirement. The course covers the biology of fishes including evolutionary history, functional morphology, physiological ecology, and biogeography. Successful completion of this course will allow students to discuss the ecology of and identify various fishes, especially those found locally, with an emphasis on Utah species. Prerequisites: BIOL 1620/1625 and BIOL 2220/2225. Corequisite: BIOL 4275. 2 lecture hours per week.

**BIOL - 4275** Ichthyology Lab 1.00 CR

This laboratory course is designed to accompany the BIOL 4270 lecture. Lab sessions and field trips will cover identification and natural history with an emphasis on Utah species. Prerequisites: BIOL 1620/1625 and BIOL 2220/2225. Corequisite: BIOL 4270. Lab fee required. 3 lab hours per week.
Marine biology is an introductory course for students in the physical and biological sciences. This course will cover the global oceans with an introduction to oceanography and ocean processes; major marine ecosystems, with an emphasis on the Pacific Coast of California; marine ecology, emphasizing energy flow, populations and community structure and form; and human impacts on the seas by considering positive and negative human activities that alter or enhance marine resources and environments. Prerequisites: BIOL 1620/1625 and BIOL 2220/2225. 3 lecture hours per week.

This course is designed for Biology majors who desire advanced study in molecular genetics. Topics will include DNA replication, structure, rearrangement, transposition, recombination, repair mechanisms, genetic engineering and mechanisms of gene expression and gene modification. This course will explore current advancements in molecular biology and genetics and investigate their applications by reviewing selected works from the current scientific literature. Successful completion of this course will allow students to gain entry-level jobs in biotechnology research laboratories or to proceed with further study in this area. Prerequisites: BIOL 2030 and CHEM 3510. 2 lecture hours per week.

The purpose of this course is to introduce basic laboratory techniques common to all modern molecular biology laboratories. Students will gain "hands-on" laboratory research experience through an extensive research project involving standard cloning experiment as its foundation. The research project will follow the "Central Dogma" in vitro from an isolated genomic source to the purified and analyzed protein product. From this core path, the course will explore current advancements of these technologies and investigate their applications by reviewing selected works from the current scientific literature. Prerequisites: BIOL 1610/1615, BIOL 2030, CHEM 1210/1215, 1220/1225, or instructor permission. Strongly recommended courses are: BIOL 2060/2065, CHEM 2310/2315 and CHEM 2320/2325. Lab fee required. 6 lab hours per week.

This course is for students majoring in the biological sciences, including biology, zoology, or any wildlife field. The lecture course covers the definition of behavior and how it is measured, the evolution and genetics of behaviors, and the wide spectrum of behaviors demonstrated by animals that help them survive and reproduce. Successful completion of the course will permit a student to explain the many aspects of animal behavior, why those behaviors exist, and some specific examples of current research in each area of behavior. Prerequisites: BIOL 1620 and junior or senior status. Corequisite: BIOL 4355. (BIOL 3150: Introduction to Biometry is strongly suggested as a corequisite.) 3 lecture hours per week.

A three-hour laboratory course to be taken concurrently with BIOL 4350. Students will learn how behavior can be measured based on a clear definition of what behavior involves. Students will be shown the various techniques used by researchers to study behavior, in both field and laboratory settings, and the proper design of such studies. Finally, students will design and carry out their own research projects on a particular behavior and write up the results of their study in journal article format. Successful completion of the course will mean that a student is capable of starting a simple research study of animal behavior in the field or in a laboratory setting, and can explain strengths and weaknesses of each. Lab fee required. Prerequisites: BIOL 1620 and junior or senior status. Corequisite: BIOL 4350 (BIOL 3150: Introduction to Biometry is strongly suggested as a corequisite.) 3 lab hours per week.

This course is designed for Biology majors and satisfies an elective requirement. Course covers the biology of birds including their origin, evolution, structure, habits, adaptations, distribution, and classification. Successful completion of the course will allow students to identify various birds, especially those found locally, and to discuss evolutionary and ecological relationships among them. Prerequisites: BIOL 1620, BIOL 1625, BIOL 2220, and BIOL 2225. Corequisite: BIOL 4385. 2 lecture hours per week.

This course is designed for Biology majors and satisfies an elective requirement. Course covers the biology of birds including their origin, evolution, structure, habits, adaptations, distribution, and classification. Successful completion of the course will allow students to identify various birds, especially those found locally, and to discuss evolutionary and ecological relationships among them. Prerequisites: BIOL 1620, BIOL 1625, BIOL 2220, BIOL 2225. Corequisite: BIOL 4385. Lab fee required. 2 lab hours per week.

This course is an introduction to pathophysiological etiology and mechanisms that cause disease and altered organ and organ systems functioning throughout the lifespan. Prerequisites: BIOL 2320/2325 and BIOL 2420/2425. 3 lecture hours per week.

This lecture course is designed to introduce biology, zoology, and wildlife biology majors to the unique adaptations and life histories of the mammals. After covering the characteristics that all mammals share, the course surveys each order of mammal, describing evolution (where known), natural histories, and geographical ranges of representatives of that order. Successful students will be able to describe what makes a mammal, its evolution, and the adaptations that enabled mammals to dominate the earth for the last 65 million years. Successful students will also be able to describe current problems facing many mammals, and possible solutions to those problems. Prerequisites: BIOL 1620/1625, BIOL 2220/2225; BIOL 3140/3145 recommended. Corequisite: BIOL 4415. 3 lecture hours per week.

This weekly three-hour laboratory course, to be taken concurrently with BIOL 4411, will train students to skin and stuff representative mammals collected by the instructors. (The resulting specimens will be added to the DSC collection, for use in training future students.) Other teaching techniques will include articulating mammalian skeletons for display, observations of mammals and their signs in the wild, and review of skins/skeletons for identification purposes. Successful students will complete the course with a strong background of general knowledge about mammals, and specific knowledge of representatives of each taxon, especially local species and those of economic importance. Prerequisites: BIOL 1620/1625, BIOL 2220/2225; BIOL 3140/3145 recommended. Corequisite: BIOL 4410. Lab fee required. 3 lab hours per week.
This course is designed for Biology majors and may be taken as elective credit. Topics covered include the study of the structure, development, classification, and life histories of insects, as well as ecological, economic, and management considerations. Uses a variety of teaching methods including lecture/discussion, field trips, writing assignments, videos, quizzes and exams, and laboratory. Successful completion of this course will allow students to identify common insects and to discuss the economic and ecological impacts of insects. Prerequisites: BIOL 1620/1625, BIOL 2220/2225 recommended. Corequisite: BIOL 4445. 3 lecture hours per week.

**BIOL - 4445 General Entomology Lab**

This laboratory is designed to accompany the BIOL 4440 lecture. Students will gain experience in proper collection techniques, identifying insects, and using dichotomous keys. Field trips are required and a returnable insect collection may be required. Lab fee required. Prerequisites: BIOL 1620/1625, BIOL 2220/2225 recommended. Corequisite: BIOL 4440. 3 lab hours per week.

**BIOL - 4460 Plant Ecology**

This course is designed for Biology majors and may be taken as elective credit. Emphasis will be on the study of limiting factors on plant growth and distribution. Adaptations and responses at the individual, population, and community levels will be considered. Species distributions along environmental gradients will be studied along with community structure and analysis. Uses a variety of teaching methods including lecture/discussion, field trips, writing assignments, videos, quizzes, exams, and laboratory. Successful completion of the course will allow students to identify possible factors limiting plant growth and distributions in certain areas. Prerequisites: BIOL 2220/2225, BIOL 3150/3155. Corequisite: BIOL 4465. 2 lecture hours per week.

**BIOL - 4465 Plant Ecology Lab**

This laboratory course is designed to accompany the BIOL 4460 lecture. Students will participate in data collection on field trips and learn to analyze their data sets. Students will also be expected to review and analyze current scientific journal articles related to plant ecology. Lab fee required. Prerequisites: BIOL 2220/2225, BIOL 3150/3155. Corequisite: BIOL 4460. 3 lab hours per week.

**BIOL - 4500 Comparative Vert Physiology**

This course uses a lecture format to present information about the physiological adaptations of vertebrates to students in biology, zoology, and wildlife biology. The general functions of each organ system are covered, along with enlightening examples of specific adaptations in those systems in certain taxa. Successful completion of the course indicates a thorough, broad understanding of how vertebrate organisms accomplish the necessary tasks of regulating the internal environment in a variety of ways. Prerequisites: BIOL 1620/1625 and CHEM 1220/1225. Corequisite: BIOL 4505. 3 lecture hours per week.

**BIOL - 4505 Comparative Vert Physiology Lab**

This laboratory course is designed to accompany the BIOL 4500 lecture and will illustrate the principles of vertebrate physiology covered in the lecture course. Lab fee required. Prerequisites: BIOL 1620/1625 and CHEM 1220/1225. Corequisite: BIOL 4500. 3 lab hours per week.

**BIOL - 4600 Plant Physiology**

This course is designed for Biology majors who desire more coverage of botany-related topics and satisfies the physiology requirement for the B.S. Biology degree. Emphasis is on the physical and chemical basis of plant life relative to absorption, transpiration, manufacture of foods, growth, and reproduction. Uses a variety of teaching methods including lecture/discussion, review of journal articles, writing assignments, videos, quizzes and exams, and laboratory. Successful completion of this course gives students an understanding of the interaction between structure and function of plants and allows students to proceed with other biology courses. Prerequisites: BIOL 1620/1625, BIOL 2400/2405 and CHEM 1220/1225. Corequisite: BIOL 4605. 3 lecture hours per week.

**BIOL - 4605 Plant Physiology Lab**

This laboratory is designed to accompany the BIOL 4600 lecture and provides the student with hands-on activities involving observation and measurement of various plant functions. Students will be expected to collect and summarize data in reports. Prerequisites: BIOL 1620/1625, BIOL 2400/2405 and CHEM 1220/1225. Corequisite: BIOL 4600. Lab fee required. 3 lab hours per week.

**BIOL - 4810 Independent Study**

Individual areas of study will be assigned to students on the basis of interest and previous preparation. Students will be expected to write a paper (using supporting scientific sources) related to the problem studied. Prerequisites: Junior or Senior standing, permission of instructor, and ENGL 2010.

**BIOL - 4820 Independent Study**

Individual areas of study will be assigned to students on the basis of interest and previous preparation. Students will be expected to write a paper (using supporting scientific sources) related to the problem studied. Prerequisites: Junior or Senior standing, permission of instructor, and ENGL 2010.
BUS - 1010  
**Introduction to Business**  
3.00 CR

This course is designed to give the student with little or no understanding of the field of business a broad overview and understanding of the business world. Topics will cover the basic fundamental concepts of business, such as a definition of business, its environment, how business people operate within that environment, the role of business in our economic system; the role of profits, and how a business is established, financed, operated and managed. No pre-requisite. 3 lecture hours per week.

BUS - 1020  
**10-Key Calculator Skills**  
1.00 CR

This course will provide students with a firm foundation in the use of the 10-Key Electronic Print/Display calculator. It will also introduce the student to the fundamentals of mathematics in business. Emphasis will be placed on the use of proper techniques to develop speed and accuracy as well as demonstrate the many uses of the 10-Key calculator in a business setting. (Taught the first 5 weeks of the semester.) 1 lecture hour per week.

BUS - 1030  
**Business Math**  
3.00 CR

This course is designed for the student interested in mathematical applications useful to business problems. Topics include: checking accounts and bank reconciliations, percents, solving for the "unknown", discounts, markups and markdowns, payroll, simple interest, discounting notes, present and future value, depreciation, inventory, taxes, insurance, stocks and bonds, annuities, and sinking funds. 3 lecture hours per week.
A pre-employment seminar is offered each semester to assist Dixie College students make a successful transition from school to work. The seminar focuses on developing effective job search techniques, job winning resumes and interviews, and career advancement skills. 1 lecture hour per week.

**BUS - 1060 Pre-Employment Seminar** 1.00 CR

Designed to allow Phi Beta Lambda students the opportunity to upgrade their business skills through participation in actual business simulations, case problems, and a wide variety of office, computer, accounting, and management skill areas. Class supports Phi Beta Lambda club activities and prepares for competitive events. May be repeated for credit. Corequisite: BUS 1360. 1 lecture hour per week.

**BUS - 1360 PBL Phi Beta Lambda Club** 1.00 CR

Focus on the interdependent traits that influence human behavior on and off the job. Assists students in developing interpersonal skills through self-evaluation, methods of conflict resolution, behavioral concepts, effective communication principles, etc. Combines a concern for human relations in the workplace with personal growth and career success. 3 lecture hours per week.

**CHEM - 1010 Intro to Chemistry *PS** 3.00 CR

For students who seek to fill the general education requirements in science and who will complete no other chemistry class. This class is for non-science majors. It will NOT satisfy requirements for science majors, health science programs or nursing. Emphasizes basic chemical concepts within daily life. Uses a wide variety of teaching methods that may include: lectures, multi-media presentations, guest speakers, reading assignments, worksheets, dialogue, individual and small group exercises, examinations and laboratory experiences. Successful completion should give students a general knowledge of basic chemistry. 3 lecture hours per week.

**CHEM - 1110 Elem Gen/Organic Chemistry *PS** 4.00 CR

A beginning course in general and organic chemistry for students in family and consumer sciences, health sciences and most agricultural majors. This course covers the fundamental laws and reactions of general inorganic and organic chemistry, including the basic organic functional groups. Successful completion of this course should prepare students for and satisfy prerequisite for CHEM 1120. Prerequisite: MATH 1010 or equivalent. Concurrent enrollment in lab section required: if students don't take the lab course, the lecture course grade will not be recorded on the transcript. 4 lecture hours per week.

**CHEM - 1115 Elem General/Organic Chem Lab** 1.00 CR

A laboratory course to be taken concurrently with CHEM 1110. Lab fee required. 3 lab hours per week.

**CHEM - 1120 Elem Organic/Bio Chemistry** 4.00 CR

An introductory course in biochemistry for students in family and consumer sciences, health sciences and most agricultural majors. This course covers the fundamental laws of carbohydrates, lipids, proteins, biochemical energy, enzymes, and molecular biology. As part of this course the organic functional groups related to these biochemicals will be studied. Successful completion of this course should prepare students for study in chemistry and life science courses. Prerequisite: CHEM 1110. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript. 4 lecture hours per week.

**CHEM - 1125 Elem Bio-Organic Chem Lab** 1.00 CR

A laboratory course to be taken concurrently with CHEM 1120. Prerequisite: CHEM 1110 with lab (CHEM 1115). Lab fee required. 3 lab hours per week.

**CHEM - 1210 Principles of Chemistry I *PS** 4.00 CR

For those students who will pursue a bachelors degree in life or physical sciences, pre-engineering, and pre-health professional areas (except for nursing). The course provides the theoretical and practical framework for further study in the sciences. It emphasizes measurement, stoichiometry, the nature of the atom, chemical periodicity, the states of matter, thermodynamics and bonding. Uses lecture and laboratory. Successful completion should prepare students for and satisfy prerequisite for CHEM 1220 and further study in the life and physical sciences. Corequisite: Chem 1230. Prerequisite: Completion or concurrent enrollment of Math 1050. Completion of a prior chemistry class strongly recommended. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript. 4 lecture hours per week.
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHEM - 1215</td>
<td>Principles of Chemistry I Lab</td>
<td>1.00 CR</td>
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<td></td>
<td>A laboratory course to be taken concurrently with CHEM 1210. Prerequisite: Completion or concurrent enrollment of MATH 1050. Lab fee required.  3 lab hours per week.</td>
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<tr>
<td>CHEM - 1220</td>
<td>Principles of Chemistry II</td>
<td>4.00 CR</td>
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<td>A continuation of Chemistry 1210. Emphasizes kinetics, equilibrium, descriptive chemistry, nuclear chemistry and special topics. Uses lecture and laboratory. Successful completion should prepare students for and satisfy prerequisite for CHEM 2310 and further study in the life and physical sciences. Corequisite: CHEM 1240. Prerequisite: CHEM 1210. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript.  4 lecture hours per week.</td>
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<td>CHEM - 1225</td>
<td>Principles of Chemistry II Lab</td>
<td>1.00 CR</td>
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<td>A laboratory course to be taken concurrently with CHEM 1220. Prerequisites: CHEM 1120 and CHEM 1125. Lab fee required.  3 lab hours per week.</td>
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<tr>
<td>CHEM - 2310</td>
<td>Organic Chemistry I</td>
<td>4.00 CR</td>
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<td>An introduction to functional groups and related reactions for Chemistry, Biology, Chemical Engineers, pre-Medical, pre-Dental, pre-Veterinarian, pre-Chiropractic, pre-Optometry, pre-Medical Technician, and pre-Pharmacy majors. Includes an introduction to spectroscopy. Successful completion of this course should prepare students for and satisfy prerequisite for CHEM 2320. Prerequisite: CHEM 1210 with a grade of C- or better or instructor permission. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript. Chem 1220 and lab (CHEM 1225) required as prerequisites. 4 lecture hours per week.</td>
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<tr>
<td>CHEM - 2315</td>
<td>Organic Chemistry I Lab</td>
<td>1.00 CR</td>
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<td>A laboratory course to be taken concurrently with CHEM 2310. Prerequisites: CHEM 1220 and 1225. Lab fee required.  3 lab hours per week.</td>
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<tr>
<td>CHEM - 2320</td>
<td>Organic Chemistry II</td>
<td>4.00 CR</td>
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<td>Further study of functional groups and related reactions introduced in CHEM 2310. Includes organic reactions necessary for synthesis of larger molecules. Also includes an introduction to the molecules of life. Successful completion of this course should prepare students for further study in biochemistry and physical chemistry. Prerequisite: CHEM 2310. Concurrent enrollment in lab section required; if students don't take the lab course, the lecture course grade will not be recorded on the transcript.  4 lecture hours per week.</td>
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<tr>
<td>CHEM - 2325</td>
<td>Organic Chemistry II Lab</td>
<td>1.00 CR</td>
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<td>A laboratory course to be taken concurrently with CHEM 2320. Prerequisites: CHEM 1220 and 1225. Lab fee required.  3 lab hours per week.</td>
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<tr>
<td>CHEM - 2990</td>
<td>Seminar in Chemistry</td>
<td>0.50 - 3.00 CR</td>
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<td>For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.</td>
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<tr>
<td>CHEM - 3510</td>
<td>Biochemistry I</td>
<td>3.00 CR</td>
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<td>Covers cellular metabolism of biologically-important molecules (carbohydrate, lipids, proteins, and nucleic acids). Also, regulation of these metabolic processes will be covered. Principles will be taught using structure/function relationships. Prerequisites: BIOL 1610/1615 and CHEM 2320/2325. 3 lecture hours per week.</td>
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<tr>
<td>CIS - 1140</td>
<td>Basic Keyboarding</td>
<td>1.00 CR</td>
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<td>This course is for students who have no prior computer keyboarding skills. It is designed to help students learn beginning keyboarding skills including the alphabet, numbers, symbols, and basic keyboarding techniques. This course is a pass/fail course. Students should expect to exit the course with a keyboarding speed of 25 wpm. The course is designed to be completed in one-half semester. Hands on instruction, in a self-paced environment is used to acquire these skills. It is recommended that upon completion of this course, students register for CIS 1150, Keyboard Skill Building to develop keyboarding speed up to 40 wpm. Course is pass/fail. 2 lab hours per week.</td>
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CIS - 1150  Keyboard Skill Building  2.00 CR
This course is designed for students who wish to build basic keyboarding skills to 40 wpm and improve their accuracy - no more than a 10% error rate. This course would meet the needs of a student who needs to certify their keyboarding skill at a 40 wpm entry level. Hands-on instruction, in a self-paced environment, is used to acquire these skills. Recommended: entry level keyboarding speed of 25 wpm. 4 lab hours per week.

CIS - 1160  Adv Keyboard Skill Building  2.00 CR
This course is designed for students who wish to increase speed and accuracy to a minimum job-marketable level of 60 wpm with no more than a 10% error rate. The course is taught in a hands-on, self-paced environment. The course may be repeated for credit. After skill levels of 60 wpm are acquired, students may also retake the course and individual percentage increases will determine grade. Prerequisite: CIS 1150. 4 lab hours per week.

CIS - 1200  Computer Literacy *CP  3.00 CR
This course is designed to provide basic computer instruction to complete the computer information literacy requirement as well as the general education computer requirement at Dixie State College. Upon successful completion of the course, students should be able to use computer technology to access, create, analyze, process and deliver information. Hands-on instruction is used to develop those skills through the study of computer concepts, operating systems, e-mail, word processing, spreadsheet, and presentation software. This is also the beginning computer course for CIS and Business majors. The course is a self-paced course that provides flexibility for students to set their own daily schedule to meet section deadlines, however, the student should plan to spend 6-9 hours per week to meet course requirements.

CIS - 1210  Intro to Database/Pres Apps  1.00 CR
This course is designed for students needing to meet the pre-business core requirements for computer proficiency. This course provides proficiency in two of six areas. Students must take CIS 1200 (prerequisite) for proficiency in the other four areas. Students passing this class with a grade of B- (80%) or better will be considered to have met the proficiency requirements for database and presentations applications. This course provides basic instruction in the use of presentation programs to prepare, edit and manipulate slides. Instruction is also provided in the use of database programs to create, edit, and manipulate data in tables, queries, forms, and reports. The course is a self-paced course that provides flexibility for students to set their own daily schedule to meet section deadlines, however, the student should plan to spend 2-4 hours per week to meet course requirements. Prerequisite: CIS 1200.

CIS - 1250  Microcomputer Operations  2.00 CR
A course for CIS majors and others needing a knowledge of the workings of a micro computer system. Students will learn computer terminology and how data is processed in a computer system. The components of a computer system such as: input, output, processing, storage, networking, and communications will also be studied. 2 lecture hours per week.

CIS - 2010  Business Computer Proficiency  3.00 CR
This course is required as a core course for Business Majors and an elective for other students wanting skills training in Excel and Access. This course, with a grade of B- or better and its prerequisite course of CIS 1200, B- or better, certifies a student's computer proficiency at a business school standard required of all lower division undergraduate business majors. This course will cover intermediate and advanced concepts in the Excel spreadsheet application and beginning through advanced concepts in the Access database application. Prerequisite: CIS 1200 with a grade of B- or better. 3 lecture hours and 6 lab hours per week.

CIS - 2400  Word Processing Applications  3.00 CR
For students in all disciplines. This course is designed as a comprehensive word processing course expanding on the basic skills acquired in CIS 1200—Introduction to Microcomputers. The course is useful to any student who seeks to present written materials in a professional and appealing manner. Fundamentals include the features used in basic line, page, and document formatting. Additional topics to be covered include graphics, tables, merging, sorting, columns, styles, document generation, macros, templates and appropriate application of each of these features to enhance the preparation and presentation of a variety of documents. The course is a self-paced course that provides flexibility for students to set their own daily schedule to meet section deadlines, however, the student should plan to spend 6-9 hours per week (in a regular 15-week semester) to meet course requirements. Prerequisite: CIS 1200.

CIS - 2410  Desktop Publishing WordPerfect  3.00 CR
For CIS and Office Administration majors, professional office personnel, and other students involved in the creation of documents that require more than basic text and graphic use. The student will learn to evaluate design elements in a desktop published document for the appropriate use of focus, balance, proportion, contrast, directional flow, consistency, color and page layout. These elements will be applied to a variety of document types including business stationary, personal documents such as business cards, resumes, and labels; promotional documents including flyers, brochures, and presentation materials; and publications such as newsletters, reports, and booklets. These documents will all be created and published through WordPerfect 8 although users of 6.1 through 8.0 will find the class useful. Prerequisite: CIS 2400. 3 lecture hours per week.

CIS - 2450  Spreadsheet Applications  2.00 CR
This course is for students requiring the use of computer skills for mathematical or financial calculations. An electronic spreadsheet program is used to teach the use of spreadsheet operations including charts, formulas, functions, and database skills. Techniques for enhancing the layout and presentation of spreadsheet information will also be used in the course. The course is a self-paced course that provides flexibility for students to set their own daily schedules to meet deadlines, however, the student should plan on spending 6-8 hours a week to meet course requirements. Prerequisite: CIS 1200.

CIS - 2480  Business Presentation Graphics  2.00 CR
Designed for CIS or business and other students interested in developing skills in designing and presenting visual presentations. Teaches how to present charts and graphs, computer slide presentations, and other related applications using such techniques as drawing and editing tools to format data charts and graphs, to create personalized templates as well as using clip art when creating visual presentations. Hands-on instruction, in a self-paced environment, is used to acquire these skills. Completers should be able to create and present a visual presentation. The course is a self-paced course that provides flexibility for students to set their own daily schedules to meet section deadlines, however, the student should plan to spend 4-6 hours per week to meet course requirements. Prerequisite: CIS 1200.
Permission must be obtained from the director of cooperative education before registration. Cooperative Education relates the classroom to the employment community. Those with a designated major and a vocational or career interest may be assisted in locating employment that relates to classroom studies. If a student has approved employment, they may be eligible for academic credit based upon the completion of structured learning objectives. Cooperative Education is available in all divisions. Permission must be obtained from the director of cooperative education before registration.
Public Speaking *OCCOMM - 1020

COMM - 1010  Elements of Effective Comm

COMM - 1020  Public Speaking *OC

CJ - 1810  Criminal Justice Work Exper.  1.00 - 3.00 CR

CJ - 1820  Criminal Justice Work Exper.  1.00 - 3.00 CR

CJ - 2020  Criminal Justice Supervision  3.00 CR

CJ - 2320  Crim Proced:Arrest/Search/Seiz  3.00 CR

CJ - 2330  Juvenile Justice  3.00 CR

CJ - 2350  Laws of Evidence  3.00 CR

CJ - 2360  Juvenile Law and Procedure  3.00 CR

CJ - 2990  Seminar in Criminal Justice  0.50 - 3.00 CR

CJ - 3320  Crim Proced:Arrest/Search/Seiz  3.00 CR

Cooperative Education relates the classroom to the employment community. Those with a designated major and a vocational or career interest may be assisted in locating employment that relates to classroom studies. If a student has approved employment, they may be eligible for academic credit based upon the completion of structured learning objectives. Cooperative Education is available in all divisions. Permission must be obtained from the director of cooperative education before registration. Students are limited to four cooperative education credit courses or 12 cooperative education credits.

Cooperative Education relates the classroom to the employment community. Those with a designated major and a vocational or career interest may be assisted in locating employment that relates to classroom studies. If a student has approved employment, they may be eligible for academic credit based upon the completion of structured learning objectives. Cooperative Education is available in all divisions. Permission must be obtained from the director of cooperative education before registration.

For students interested in a career in law enforcement, court system, adult or juvenile corrections, private or industrial security or criminal law. Deals with the principles of supervision, including motivation, discipline, evaluation, scheduling, work assignments, stress management and functioning of line and staff. Uses lectures, videos, guest lecturers, practical problem solving and assigned text study. Provides a foundation for work in the criminal justice system. 3 lecture hours per week.

For students interested in a career in law enforcement, adult or juvenile corrections, private or industrial security, law, criminology, school counseling or teaching. Examines the origin, philosophy and development of the juvenile justice system, juvenile court, relationship of various segments of the juvenile justice system and also examines theories of juvenile criminality and trends in treatment. Uses lectures, videos, guest lecturers and assigned text study. Provides a foundation for work with juveniles. 3 lecture hours per week.

For students interested in a career in law enforcement, adult or juvenile corrections, private or industrial security, law, criminology, school counseling and teaching. Examines the history and development of laws dealing with juveniles, procedures in juvenile hearings and juvenile court with special emphasis on Utah law. Uses lectures, videos, guest lecturers and assigned text study. Provides a foundation for work with juveniles. 3 lecture hours per week.

For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

Examines procedural requirements for judicial processing of criminal offenders including the rights of the accused, general court procedures, trial preparation, and principal constitutional law as applicable to criminal justice practitioners. Prerequisite: CJ 1010. 3 lecture hours per week.

Designed as a general education requirement. Students are introduced to both the theory and practice of communicating in interpersonal, small group, organizational, and public presentation settings. Critical thinking and effective expression of ideas are emphasized. Students learn essential theories of language use, nonverbal communication, organizational structure and practices, persuasion, and public speaking. Practical experience is provided in all of these circumstances. Satisfies general education requirements for the AS degree and prepares students to become better scholars, better participants in all forms of social discourse, and better citizens in life. 3 lecture hours per week.

This course is designed for any student with an interest in improving his/her public speaking skills. Fulfills a general education requirement in communication skills. Recommended for pre-law and general students. Includes instruction on preparing, outlining and presenting various types of speeches, such as an introduction, speech to inform, a speech to persuade, and a personal experience speech. Uses lectures and text reading assignments to supplement the students' oral presentations. Successful completers will be able to present an organized, well prepared speech. 3 lecture hours per week.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>COMM - 1050</td>
<td>Intro to Comm Theory</td>
<td>3.00 CR</td>
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<td>A survey of the basic issues, theories and perspectives in the study of communication, through critical analysis of oral, written and audio-visual texts. The course is a core requirement for all human communication majors. Students obtain a general knowledge of the various contexts of human communication and how they differ from each other. They develop critical thinking and analytical skills; improve listening, observational skills, and problem solving capabilities; gain insight into their own paradigms and the paradigms of others; and learn how to communicate effectively with others of varying beliefs and values and a variety of context. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 1060</td>
<td>Intro to Rhetorical Theory</td>
<td>3.00 CR</td>
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<td>For students in communication with an interest in learning about the meaning of rhetoric and its place in communication studies. The course will teach the basics of rhetorical theory, looking at both traditional and contemporary perspectives through lectures, media use, texts and student application of concepts. This course prepares students for advanced courses in communication. There are no prerequisites. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 1130</td>
<td>Writing for Mass Audiences</td>
<td>3.00 CR</td>
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<td>For all students with an interest in mass media. This course is a survey of mass media reporting with a heavy emphasis on writing and Associated Press Style. Students will write a variety of media pieces in the areas of new writing for print, broadcast and online; specialized stories; public relations; and advertising. Students will also learn about interviewing, law and ethics. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 1270</td>
<td>Argumentation/Crit Thinking</td>
<td>3.00 CR</td>
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<td>Argumentation-Critical Thinking increases a student's understanding of the relationship of language to logic, increase his/her analytic abilities, constructive criticism abilities, and helps him/her connect, propose and support ideas effectively. The student will be able to apply both inductive and deductive reasoning to gain positional understanding to differentiate between inferences and fact, and to create unambiguous statements of knowledge or belief. Students can expect to engage their instructor and each other in both internal and external dialogue, both intrapersonally and interpersonally. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 1380</td>
<td>Intro to Television Production</td>
<td>2.00 CR</td>
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<td>This class is an introduction to television production through basic studio exercises and productions. Students will become familiar with the basic tools of television studio production and the processes involved in the creation of a completed television program. Students will learn the basic terminology of studio production including the duties of each of the studio production technical positions. Lab required. 2 lecture and 2 lab hours per week.</td>
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<tr>
<td>COMM - 1385</td>
<td>Intro to TV Production LAB</td>
<td>1.00 CR</td>
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<td>A laboratory course for introduction to television production through basic studio exercises and productions. Students will become familiar with the basic tools of television studio production and the processes involved in the creation of a completed television program. Students will learn the basic terminology of studio production including the duties of each studio production technical positions. Co-requisite: COMM 1380. 2 lab hours per week.</td>
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<tr>
<td>COMM - 1400</td>
<td>Voice and Diction</td>
<td>3.00 CR</td>
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<td>For all students seeking to improve articulation and increase control of the speaking voice. Designed for speech therapists, radio/TV, theatre performance and vocal music majors. Teaches the mechanics of speech production, including respiration, phonation, resonation and articulation. Teaches the International Phonetic Alphabet. Uses textbook reading, lecture, media, demonstration, discussion and individual performances. Quizzes, tests and exercises may also be used. Emphasizes skill development. 3 lecture hours per week.</td>
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<td>COMM - 1500</td>
<td>Intro to Mass Communication</td>
<td>3.00 CR</td>
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<td>Introduction to structure, operation, diversity, and effects of mass media. Discusses the different forms of media, including newspapers, magazines, radio, television, computer networks, and motion pictures. Emphasis on helping students develop and defend value judgments about media content and style and on the relevance of mass media in everyday life. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 1560</td>
<td>Beg Radio Production</td>
<td>3.00 CR</td>
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<td>This class will introduce students to the basic skills for radio announcers in the areas of programming, performance, and production. They will also understand FCC requirements for radio staff members in areas including indecency programming and political advertising. This course is intended for general students and is necessary to be on the air on the campus radio station. Fee required. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 1610</td>
<td>Print News Writing/Reporting</td>
<td>3.00 CR</td>
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<td>For communications majors with an interest in writing for the print media. Emphasizes aspects of print journalism and teaches students how to gather and report facts for different types of news stories. This is a writing-intensive course that fulfills a requirement in several tracks of a mass media emphasis. Prerequisite: COMM 1130. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 1820</td>
<td>Communications Work Exper.</td>
<td>1.00 - 3.00 CR</td>
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<td>For students in final year of study at Dixie College. Offers on-the-job learning in radio, television and journalism work situations. Students meet with the instructor-coordinator and the employer at the beginning of the course to determine objectives, hours to be worked, and to sign a credit agreement. Student gains added awareness of actual working requirements. Students are limited to four cooperative education credit courses or 12 cooperative education credits. Prerequisite: Successful completion of COMM 1660, COMM 1720, and COMM 2680.</td>
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COMM - 2020  Forensics Institute  3.00 CR
For students who desire to enhance their Policy and Lincoln-Douglas Debate knowledge and skills.

COMM - 2110  Interpersonal Comm *FA  3.00 CR
Designed for all students as a general education requirement. Teaches students communication skills in a wide range of interpersonal areas appropriate to business or personal relationships. Focus is given to skills involving initiating, developing, maintaining relationships; as well as controlling the deterioration of relationships. Special emphasis is given to listening, assertiveness, supportive climates, conflict, power management, and disclosure. Some exposure is given to the special needs of intercultural communication. Uses a wide range of teaching methods to include lectures, student activities and exercises, discussion, and small group work. Satisfies general education requirements for the AS degree and prepares students to effectively express ideas in one-to-one settings. 3 lecture hours per week.

COMM - 2120  Small Group Communication  3.00 CR
Small group communication is important in almost every aspect of society: family, work, social, religious, civic and educational environments. Each group has its rules of conduct, roles, expectations of performance, and governing regulations--sometimes formal and sometimes unspoken. To be a productive member of any society, one must understand and function productively in small group setting of all kinds. This course is designed to review criteria for effective group decision making and productivity and to provide training in how to apply these principles in effective group settings. 3 lecture hours per week.

COMM - 2140  Elec Media/News Wrtg/Reporting  2.00 CR
This class is an introduction to broadcast news writing and reporting focusing primarily on radio news. Students will learn the broadcast news writing style which is clear, concise, and conversational and written to conform to the limitations of the broadcast medium. Students will learn the terminology of radio news reporting, formats, and producing radio newscasts. Lab required. Prerequisite: COMM 1130. 3 lecture hours per week.

COMM - 2145  Elec Media/News Wrtg/Rpt LAB  1.00 CR
This class is the one-credit laboratory to be taken with Introduction to Electronic Media News Writing and Reporting, focusing primarily on radio news. Students will learn the broadcast news writing style which is clear, concise, and conversational and written to conform to the limitations of the broadcast medium. Students will learn the terminology of radio news reporting, formats, and producing radio newscasts. Co-requisite: COMM 2140. 2 lab hours per week.

COMM - 2170  Into to Organizational Comm  3.00 CR
An introductory course where students will explore the basic concepts and theories that inform Organizational Communication. Students will apply concepts and theories studied to current organizational settings in which they are involved. The format of the course is lecture, discussion, case analysis and application. 3 lecture hours per week.

COMM - 2210  Newspaper Production I  1.00 - 3.00 CR
Practicum Experience on the campus newspaper: 4-12 hours per week, earning 1-3 credits (4 hours per week per credit). This course is required for students who want to begin working on the student newspaper, the Dixie Sun, as writers, reporters, photographers, editors, directors, or student managers. The course provides hands-on experience in most facets of producing a weekly newspaper including writing, layout, photography, and advertising, plus discussions of journalism and newspaper principles and holding staff meetings. Students may be required to work some evenings in production. This course is intended for general students, and it is not necessary to be a Communication major to take this elective course. The course may be repeated for credit, with instructor approval, to facilitate on-going participation on the newspaper staff. Prerequisite: COMM 1130. Instructor permission required. 4-12 hours per week.

COMM - 2370  Sports Broadcasting  3.00 CR
The Sports Broadcasting program is a hands-on lecture/laboratory experience designed to provide the student with a working knowledge of all aspects of broadcasting a live sporting event. All students are required to work on 10 shoots during a semester. These shoots may include high school as well as college sporting events. Students will select a primary and secondary job position on the broadcasting team in which they will work for the first half of the semester. At mid-term they may move to the secondary position or challenge for a position if already filled. 3 lecture hours per week.

COMM - 2380  Radio Production Practicum I  1.00 - 3.00 CR
Practicum Experience on the student radio station: 4-12 hours per week, earning 103 credits (4 hours per week per credit). Some additional hours, including evenings and weekends, may be required in addition to regularly-scheduled training sessions and meetings. This course is required for students who want to begin working on the student radio station as announcers and in the areas of programming, performance, and production. Students also learn FCC regulations concerning on-air logging and verifications, prohibitions against indecent programming, and political advertising. This course is intended for general students and it is not necessary to be a Communication major to take this elective course. The course may be repeated for credit, with instructor approval, to facilitate on-going participation on the radio station staff. Course fee required. Prerequisite: COMM 1560. 4-12 hours per week.

COMM - 2410  Directing for the Camera  3.00 CR
A course designed for film and theatre students to introduce techniques in working relationships between actors and film production personnel. Curriculum is taught concurrently with THEA 2033, Second Year Acting, where theatre students are taught techniques and methods of acting for the camera by film production faculty, and production students are taught approaches to screen acting by theatre faculty. Students will then integrate talents in student film projects where production theatre and film students apply their craft. Skills developed in this course include directing, blocking for the camera, interpreting dialogue, learning production vermicular and protocols for actors on a film set, interpersonal skills between talent and technicians. 3 lecture hours per week.
An introduction to digitally integrated media, including an understanding of the history, trends, devices, services, practices and societal issues associated with the use of modern telecommunication technologies in interpersonal, group, organization, and mass communication settings. Students obtain a general and very basic knowledge of the technology of modern digital communication; a general understanding of the trends in these new forms of communication, as manifested in each of the domains of the marketplace: consumers, content, channels of distribution, and stakeholders; and a basic understanding of the societal issues, that arise as a consequence of digitally integrated communication technology and practices, such as access, privacy, copyright, regulation, etc. Course is a core requirement for all Communication majors. Prerequisite: COMM 1500. 3 lecture hours and 2 online hours per week.

COMM - 2530  Photojournalism  3.00 CR
For all students with a mass media emphasis, and especially those interested in print media. Teaches students how to shoot and crop shots for journalistic use. Students also work with design, composition and presentation in digital technology. Emphasis is on pictures for reproduction in the print media. The course stresses recognition, development and creation of news photographs and the skills of the photo editor. Prerequisite: ART 2060. 3 lecture hours per week.

COMM - 2600  Screenwriting  3.00 CR
Designed for majors with the objective of understanding and developing screenwriting approaches to feature and short, and documentary style production. Skills developed include identification of structural elements inherent in feature and documentary work, distinguishing how character functions within the plot, articulating plot points and transitions, and exploring effective avenues of research for development. 3 lecture hours per week.

COMM - 2630  Storyboarding and Illustration  3.00 CR
Designed for majors with the objective of understanding and developing storyboarding approaches to feature, short and documentary pre-production development. Curriculum focuses on storyboarding for concept development through lecture, developing essential illustrating skills through hands-on application, and exploring alternative methods of digital film pre-visualization via film artifacts. Skills developed in this course include identification of the structural elements inherent in storyboarding, distinguishing camera and character movement through illustration, as well as using 3-D software for virtual storyboarding pre-visualization. Prerequisite: COMM 2660. 3 lecture hours per week.

COMM - 2660  Intro/Digital Film Production  3.00 CR
A survey course designed for CNM majors interested in applications of digital film production. The course covers the industry in a number of environments including commercial, corporate, Internet, documentary and feature production. Includes overview of the development and integration of digital technology in film production including impacts in pre-production, production and post-production. Content also addresses critical analysis of effects and technical and ethical aspects of compositing. Uses discussion, outside reading, viewing and research, and a test to progress students' understanding of this powerful medium. 3 lecture hours per week.

COMM - 2990  Seminar in Communication  0.50 - 3.00 CR
For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. May be repeated for additional credit. Prerequisite: Instructor permission required.

COMM - 3060  Communication Theory  3.00 CR
An upper division course designed to develop in students awareness, understanding, and application of the complex theories and concepts inherent in the study of Human Communication. Curriculum focuses on theoretical, conceptual, and applied research and scholarship that investigates myriad ways in which people communicate and the consequences of those interactions. In addition, students will extend their studies to focus on the various effects new media technologies have on Human Communication processes. This course develops an understanding of how various components of the communication process interact, analysis of those interactions to identify ways to become a more effective communicator, and application of theories and concepts to everyday life. Prerequisite: COMM 1050 with a C+ or better. 3 lecture hours per week.

COMM - 3100  Effective Comm w Educ Contexts  3.00 CR
This course is designed specifically for students whose career objective is classroom teaching. The overall philosophy of this course is that without communication skills, a teacher, as well as most other careers dealing with people, is destined to failure. A teacher must be an expert communicator, not only in the classroom, but also with the parents of students, with other colleagues, and as a representative of the school to the general public. Success or failure of any teacher begins with his or her ability to communicate. Prerequisite: Admission into the Dixie State College elementary education baccalaureate program.

COMM - 3110  Interpersonal/SmGrp Dynamics  3.00 CR
This course is designed to address the connection between interpersonal communication and the needs of small groups. The course explores how interpersonal communication dynamics affect and are changed by small group contexts, recognizing that the small group environment is unique in its complexity and is entirely dependent upon skilled application of interpersonal theories, concepts, and behaviors, both verbal and nonverbal. The course content is particularly useful for upper division students pursuing undergraduate degrees in Communication with an emphasis in Interpersonal/Small Group Communication, Organizational Communication, or Leadership. 3 lecture hours per week.

COMM - 3120  Family Communication  3.00 CR
The fundamental structure of our society centers on the family unit. The communication structure, interaction patterns, and influences produced by family structures shape our culture. As we study the complexities and influences of the family structure, we understand our culture better. The end product is that as family structure and communication improves, the entire culture becomes more satisfying. This course will examine the communication net surrounding the family unit from the first meeting of partners to the final stages of life itself. Issues such as parenthood, abuse, conflict, family goals of finance and education, and dealing with rapid changes in restructuring due to people both entering and leaving the family unit will all be considered. Improvement in the understanding family communication means improving the culture itself. 3 lecture hours per week.

**COMM - 3170  Advanced Critical Thinking**  3.00 CR

This course is designed to facilitate increasing critical thinking skills, particularly in the professional arena. Rhetorical analysis, as well as content analysis, are undertaken in order that students are better able to extract meaningful information from messages both written and spoken. These skills are further refined as students are expected to develop their own written and spoken messages that are simultaneously substantive and effective for application within their respective professional activities. The course content is particularly useful for upper division students pursuing undergraduate degrees in Communication with an emphasis in Interpersonal/Small Group Communication, Organizational Communication, or Leadership. 3 lecture hours per week.

**COMM - 3190  Intercultural Communication**  3.00 CR

A mid to upper division course designed to develop cross-cultural, global understanding and sensitivity in students who are pursuing a degree in all emphases of the Baccalaureate degree in Communication. This course focuses on theoretical and conceptual immersion in extant cross-cultural research and scholarship. Students will utilize various forms and formats of new media technologies to access and interact with representatives of other cultures. Skills developed in this course include culturally sensitive audience analysis, increased diversity sensitivity and understanding, as well as design and delivery of messages that are culturally sensitive via new media technologies. 3 lecture hours per week.

**COMM - 3210  Newspaper Production II**  1.00 - 3.00 CR

Practicum Experience on the campus newspaper: 5-15 hours per week, earning 103 credits (5 hours per week per credit). This class builds upon the skills students learned in Newspaper Production I (COMM 2210). This course is required for students who want to continue to work on the student newspaper, the Dixie Sun, as writers, editors, directors, or student managers. The course provides hands-on experience in most facets of producing a weekly newspaper including writing, layout, photography, and advertising, plus discussions of journalism and newspaper principles and holding staff meetings. Students may be required to work some evenings in production. This course is intended for general students, and it is not necessary to be a Communication major to take this elective course. The course may be repeated for credit, with instructor approval, to facilitate on-going participation on the newspaper staff. Prerequisite: COMM 1130. Instructor permission required. Course fee required. 5-15 hours per week.

**COMM - 3330  Negotiations & Bargaining**  3.00 CR

This course is an upper division core requirement for degree students in the Human Communication emphasis, Organizational Communication track. The course explores the processes and outcomes of negotiation and bargaining principles, theories, and related concepts. Students are expected to engage in experiential opportunities where they apply those principles and gain skills in negotiation and bargaining in current social and professional settings. Industry representatives whose professional responsibilities include negotiation and bargaining will be invited to speak to students throughout the semester. Students can expect to attain reasonable skills as negotiators/bargainers. 3 lecture hours per week.

**COMM - 3350  Interviewing**  3.00 CR

This course focuses upon dyadic communication conducted specifically for a purpose of gathering information and seeking entrance into closed groups such as the workplace, or any one of thousands of clubs or limited groups social, educational or even recreational. 3 lecture hours per week.

**COMM - 3380  Radio Production Practicum II**  1.00 - 3.00 CR

Practicum Experience on the student radio station: 5-15 hours per week, earning 1-3 credits (5 hours per week per credit). Some additional hours, including evens and weekends, may be required in addition to regularly-scheduled training sessions and meetings. This course builds upon the skills students learned in Radio Production Practicum I (COMM 2380) in the areas of programming, performance, and production, by participating in on-location and in-studio productions and promotions, seeking underwriting sponsors, and engaging in effective program scheduling. The course is required for all student managers and directors of the radio station who will utilize a portion of their time in meeting with and directing the student staff. This course is intended for general students, and it is not necessary to be a Communication major to take this elective course. Course may be repeated for credit, with instructor approval, to facilitate on-going participation on the radio staff. Course fee required. Prerequisite: COMM 1560. 5-15 hours per week.

**COMM - 3460  Content & Rhetorical Analysis**  3.00 CR

Introduction to analysis of public communication (speeches, editorials, advertisements, TV, film, etc.) from a variety of rhetorical perspectives. Students will take the ideas learned in the theory course and apply them to texts looking for the persuasive means. Course will use media, tests, and student research to show the underlying rhetoric in every day settings. Prerequisite: COMM 1060. 3 lecture hours per week.

**COMM - 3550  Theoret Perspectives/Org’l Com**  3.00 CR

This course is an upper division core requirement for degree students in the Human Communication emphasis, Organizational Communication track. Students enrolled in this course are expected to read and engage modern research initiatives in Organizational Communication. Students will examine theories and concepts in detail, particularly with a view towards modern applications within a range of current professional settings. Students should expect to become much more advanced in their abilities to apply appropriate theories and concepts in analyses of organizations, human behavior, organizational policies and their consequences. Prerequisite: COMM 2170 and COMM 1050. 3 lecture hours per week.
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tr>
<td>COMM - 3560</td>
<td>Visual Communication</td>
<td>2.00</td>
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<td>An introduction to visual communication as manifested in photography, television, motion pictures, the Internet, and other visual media. Students learn basic principles of composition, pictorial continuity, and editing that are used in visual media. They acquire a basic understanding of the physical and cognitive processes of visual communication, the elements of visual messages, and principles of visual organization that can affect perception, such as Gestalt, framing, vectors, motion, color, and typestyles. Lab required. 2 lecture hours per week.</td>
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<tr>
<td>COMM - 3565</td>
<td>Visual Communication Lab</td>
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<td>The lab to accompany the Visual Communication course. Students apply what they are learning in the classroom to the basic planning and production of a video or film production, and in the planning and production of a web page. Must be taken concurrently with COMM 3560. 2 lab hours per week.</td>
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<tr>
<td>COMM - 3580</td>
<td>Public Relations</td>
<td>3.00</td>
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<td>A survey of the tools, principles, and practices of the Public Relations profession. Students learn how to use the basic tools of PR: news releases, feature stories, photos and captions, print and broadcast advertising, direct mail, printed media, newsletters, video productions, conflict resolution, personal appearances, crisis and program planning, and methods of evaluation. Includes a lab component where students produce public relations materials and documents, and where they plan public relations events, all under a time deadline. Students learn the fundamental principles of communication relating to public affairs, persuasion, journalism and public relations. They also learn the requirements of all the major categories of PR: media relations, employee relations, investor relations, consumer relations, community relations, and government relations. As part of this process they critically evaluate specific historical PR cases. Prerequisite: COMM 1130. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 3590</td>
<td>Media Management and Sales</td>
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<td>This course teaches managerial and sales principles affecting media facility operations: fiscal management, regulations, ratings, program decision-making and maximizing human resources in a modern broadcast/telecom environment. Students obtain a basic understanding of all of the following in a media context: contemporary sales principles and practices; sales and program promotions; facility management principles, including how convergence is changing the nature of those facilities; accounting principles and fiscal management; the history and present status of media regulation; how ratings and circulation are measured and used; how programs and other content are selected and used; and human resource management. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 3600</td>
<td>New Media Reporting</td>
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<td>An intermediate course designed for majors interested in news and information reporting in broadcast, corporate and Internet contexts. Curriculum focuses on developing information gathering skills such as interviewing and research, writing for mass audiences in the aforementioned contexts, and integrating digital visual elements into media distribution. Students will also learn media law, ethics, and cultural sensitivity, political structures and organization. Skills developed in this course include competent writing for mass audiences including writing for press releases, video news releases, broadcast news, and copy editing and critique. Prerequisite: COMM 1130. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 3610</td>
<td>News and Copy Editing</td>
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<td>For communication students with an interest in print/online media. This course teaches good writing and editing skills as they pertain to print/online news writing. Students will become more efficient headline and cutline writers. Students may also gain copy editing experience by working with the &quot;Dixie Sun&quot; student newspaper. Prerequisites: COMM 1130. 3 lecture hours per week.</td>
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<td>COMM - 3640</td>
<td>Digital Film Pre-Production</td>
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<td>An upper-division course designed for majors with the objective of understanding and executing the pre-production process in filmmaking. Pre-production is vital to the success of any production in new media. Curriculum focuses on developing essential components such as production management, production hierarchy and protocols, personnel organization, scheduling and budgeting. Students will also learn the collaborative aspect of production, ethics and cultural sensitivity in working in this context. Skills developed in this course include technical writing for production breakdown, organizing and planning for productions on a variety of levels. Prerequisite: COMM 2660. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 3650</td>
<td>TV Field Production/Reporting</td>
<td>2.00</td>
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<td>Students in this class will be building on their knowledge from their Broadcast News Writing and Reporting class (COMM 2140). Having learned the style and limitations of the broadcast medium, they will now concentrate on the visual aspect of broadcast news gathering. Students will develop skills in broadcast video production and editing the primary ENG (Electronic News Gathering) formats. Lab required. Prerequisite: COMM 1380 or COMM 2140. 2 lecture hours per week.</td>
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<tr>
<td>COMM - 3655</td>
<td>TV Field Prod/Reporting LAB</td>
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<td>Students in this class will be building on their knowledge from the Electronic Media News Writing and Reporting class (COMM 2140) for Electronic Journalism majors or for Electronic Media Production majors (COMM 1380). Having learned the style and limitations of the broadcast medium, they will now concentrate on the visual aspect of broadcast news gathering. Students will develop skills in broadcast video production and editing in the primary ENG formats. Co-requisite: COMM 3650. 2 lab hours per week.</td>
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<tr>
<td>COMM - 3660</td>
<td>Digital Film Production</td>
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<td>This course is designed to discover theory and develop skills in single-camera production protocols, pre-visualization, the camera, shooting, sound, lighting and exposure. Skills developed specific to this course include cinematography, location audio acquisition, and location and set lighting. Majors will develop skills germane to producing their student projects. Prerequisite: COMM 2660. Lab required. Instructor permission required. 2 lecture hours per week.</td>
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COMM - 3665  Digital Film Production LAB  1.00 CR
This is the lab section for COMM 3660, a course designed to discover theory and develop skills in single-camera production protocols, pre-visualization, the camera, shooting, sound, lighting and exposure. Majors will develop skills germane to producing their student projects. Co-requisite: COMM 3660. 2 lab hours per week.

COMM - 3680  Digital Film Post-Production  2.00 CR
This course is designed to develop theory and develop skills in post-production. It is the culmination of COMM 3640 and 3660 in completing the study of the production process in digital film production. Majors examine editing protocols including line producing, footage and logging reports, digitizing, editing methodology and approaches, Foley and post audio production. Skills developed specific to this course include non-linear editing on Final Cut Pro, post management, shot logging, editing aesthetics and developing transitions. Lab required. Prerequisites: COMM 3660. 2 lecture hours per week.

COMM - 3685  Digital Film Post-Prod LAB  1.00 CR
This is the lab section for COMM 3680, a course designed to develop theory and develop skills in post-production. It is the culmination of COMM 3560 and 3660 in completing the study of the production process in both film and news production. Majors examine editing protocols including line producing, footage and logging reports, digitizing, editing methodology and approaches, Foley and post audio production. Skills developed specific to this course include non-linear editing on Final Cut Pro, post management, shot logging, editing aesthetics and developing transitions. Co-requisite: COMM 3680. 2 lab hours per week.

COMM - 3700  Television News Process  2.00 CR
This course is designed to examine and develop skills in the process of television news that takes place from initial story conception to the role of the producer in creating a completed television newscast or news magazine program. Students will further refine their skills in visual storytelling, electronic news gathering and writing and reporting within the context of television news producer. Lab required. Prerequisites: COMM 3650/3655. 2 lecture hours per week.

COMM - 3705  Television News Process LAB  1.00 CR
This course provides the lab the COMM 3700 which is designed to examine and develop skills in the process of television news that takes place from initial story conception to the role of the producer in creating a completed television newscast or news magazine program. Students will further refine their skills in visual storytelling, electronic news gathering and writing and reporting within the context of television news producer. Co-requisite: COMM 3700. 2 lab hours per week.

COMM - 3790  Audio Production/Broadcasting  3.00 CR
This course is designed to discover theory and develop skills in audio acquisition in both motion picture production and news broadcasting environments. Majors will develop skills in field and studio sound acquisition in mixing multiple sources, using a variety of microphones in proper applications and then engineer samples for post-production. 3 lecture hours per week.

COMM - 3830  Editorial/Opinion Writing  3.00 CR
For communication students with an interest in print journalism. This course focuses on critical, opinion and persuasive writing in print mediums in the form of editorials, reviews, columns, letters and cartoons. Students will read, analyze, research and write content in op-ed pages of a newspaper. This course also emphasizes good writing skills. Prerequisites: COMM 1130. 3 lecture hours per week.

COMM - 3850  Organizational Communication  3.00 CR
A mid to upper division course designed to develop in students an awareness and understanding of the complex processes inherent in organizations. Curriculum focuses on theoretical, conceptual, and applied research and scholarship that reviews why organizations succeed, and why they fail. This course develops an understanding of how organizations come to be, analysis of organizations to identify strengths and weaknesses, identification of successful personal roles, and insights into organizational structure and cross-communicative patterns within organizations. Prerequisite: COMM 2170. 3 lecture hours per week.

COMM - 3880  Online Media Writing  3.00 CR
For communication majors with an interest in online media. This course emphasizes the techniques of writing and editing news for online mediums, and examines the ways technology has changed news writing. Students will research, report and write stories for this specific medium. Prerequisites: COMM 1130. 3 lecture hours per week.

COMM - 3990  Seminar in Communication  0.50 - 3.00 CR
For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at lease nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. May be repeated for additional credit. Prerequisite: Instructor permission required.
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>COMM - 4010</td>
<td>Persuasion</td>
<td>3.00 CR</td>
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<td>An upper division course designed to develop student's awareness, understanding, and application of critical thinking and persuasive message design to achieve intended persuasive effects on specific audiences. Curriculum focuses on rhetorical, conceptual, and applied research and scholarship that tracks both traditional as well as modern persuasive processes. In addition, students will be challenged to develop their critical thinking skills through thorough audience analysis and the analysis of positional arguments and their rhetorical construction. Both oral and written presentation of persuasive messages in the classroom will be emphasized. Prerequisites: COMM 1270. 3 lecture hours per week.</td>
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<td>COMM - 4020</td>
<td>Integrated Oral Presentations</td>
<td>3.00 CR</td>
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<td>This course is designed to discover theory and develop skills in integrating public speaking with technology. More than just a Power Point course, majors will expand their presentational skills and impact of their messages by producing and incorporating web-based QuickTime motion pictures and other electronic images. Majors will understand integrated delivery strategies and develop a technological foundation to support this sophisticated form of public speaking. Prerequisites: COMM 1020 and COMM 4010. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 4030</td>
<td>Appl Org'l Comm Research</td>
<td>3.00 CR</td>
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<td>This course is an upper division core requirement for degree students in the Human Communication emphasis, Organizational communication track. Students enrolled in this course are expected to read and engage modern research initiatives in Organizational Communication. Students will examine theories and concepts in detail, particularly with a view towards modern applications within a range of current professional settings. Students should expect to become much more advanced in their abilities to apply appropriate theories and concepts in analyses of organizations, human behavior, organizational policies and their consequences. Students will design and implement original research emerging from their case. Prerequisites: COMM 3050, 4350 and 4450. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 4050</td>
<td>Leadership/High Perform Teams</td>
<td>3.00 CR</td>
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<td>This course is an upper division elective for students enrolled in the Human Communication Emphasis, Organizational Communication Track. The course is designed for students who desire to develop their interpersonal skills within the Small Group and Organizational contexts. The course is a second semester involvement in Small Group Dynamics with a special emphasis on the development of teamwork and the principles of high performance teams. In addition, the conceptualization and practice of the many types of leadership and their effective applications will be explored. The course consists of lecture, experiential exercises, field trips, video analysis, and guest speakers. Students should expect to achieve advanced skills and understanding of group processes as well as leadership dynamics within those groups. Prerequisite: COMM 2120. 3 lecture hours per week.</td>
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<td>COMM - 4100</td>
<td>Documentary Production</td>
<td>2.00 CR</td>
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<td>This is an advanced class for Electronic Media Production majors designed to integrate their competencies from previous classes in writing, videography, visual storytelling, and editing. They will build upon these skills as they conceptualize, plan, and execute a documentary to completion. Prerequisites: 2660. Lab required. 2 lecture hours per week.</td>
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<td>COMM - 4105</td>
<td>Documentary Production LAB</td>
<td>1.00 CR</td>
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<td>This is the lab for the advanced class for Electronic Media Journalism Majors designed to integrate their competencies from previous classes in writing, videography, visual storytelling, and editing. They will build upon these skills as they conceptualize, plan, and execute a documentary to completion. Co-requisite: COMM 4100. 2 lab hours per week.</td>
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<tr>
<td>COMM - 4260</td>
<td>Media Law</td>
<td>3.00 CR</td>
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<td>This course addresses legal and ethical considerations for communication practitioners in new media, by exploring the historical and philosophical underpinnings of media law and by reviewing the major cases which have produced current legal standards. Issues include, but are not limited to, the First Amendment, print and broadcast media regulation, advertising regulation, Internet law, libel, privacy, trespass, royalties, and copyrights. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 4380</td>
<td>Adv Television Production</td>
<td>2.00 CR</td>
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<td>This is an advanced class in television production for Electronic Media Production majors. Having laid the production foundation in studio production (COMM 1380), live remote production (COMM 2370), field production (COMM 3650/3655), and audio production (COMM 3790), students will now integrate these elements by producing and directing a television program after choosing among various options. Prerequisite: COMM 3650/3655. Lab required. 2 lecture hours per week.</td>
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<tr>
<td>COMM - 4385</td>
<td>Adv Television Production LAB</td>
<td>1.00 CR</td>
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<td>This is the lab for the advanced class in television production for Electronic Media Production majors. Having laid the foundation in studio production (COMM 1380), live remote production (COMM 2370), field production (COMM 3650) and audio production (COMM 3790), students will now integrate these elements by producing and directing a television program after choosing among various options. Co-requisite: COMM 4380. 2 lab hours per week.</td>
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<tr>
<td>COMM - 4450</td>
<td>Communication Research</td>
<td>3.00 CR</td>
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<td>This is an upper division core requirement for degree students in the Human Communication focus. Students will study communication-specific research methodologies, both quantitative as well as qualitative, through a process of research design and application. Lecture will be the primary teaching approach that stresses both discussion and research analysis within the communication content arena. Upon completion of the course, students will be expected to demonstrate an understanding of research methodologies and apply that understanding to the analysis of research by both themselves and others. Prerequisite: COMM 3060. 3 lecture hours per week.</td>
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<td>COMM - 4490</td>
<td>Comm &amp; Contemp Public Issues</td>
<td>3.00 CR</td>
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<td>An analysis of public issues that currently dominate communication. Such analysis reviews the impact of technology, philosophy and ideas requiring application of rhetorical principles for more effective communication. Mastery of such study prepares the student to function more effectively in society by being more proficient in utilizing such skills. Prerequisite: COMM 4010. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 4500</td>
<td>Human Comm &amp; Conflict</td>
<td>3.00 CR</td>
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<td>This course is an upper division elective for students enrolled in the Human Communication Emphasis, Organizational Communication Track. The course explores the theoretical and conceptual foundations of conflict, primarily at the interpersonal, dyadic level, as well as the sources, types, and outcomes of their application. Lecture is the primary format but that is supplemented by experiential exercise, outside speakers, field trips, and video-analysis. Students should expect to achieve an increase in source of conflict awareness and skill development in resolution techniques, as well as being able to apply this awareness and skill to their personal relationships with others. Prerequisite: COMM 3050. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 4580</td>
<td>Public Relations Case Studies</td>
<td>3.00 CR</td>
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<td>This course is an upper-level exploration of the principles and practices of public relations. It provides a review of the historical evolution of public relations, the principles and theories of that profession, the terminology, strategies, and approaches used by professionals, public relations’ role in society, and its potential as a career. Through the study of contemporary PR case studies, both local and national, students learn the history and evolution of public relations as a profession: key theories that influence and shape public relations practice; the role that research plays as a cornerstone of contemporary PR practice; the relative effectiveness of various PR techniques and tactics; the ethical and legal dimensions of public relations practices; and the issues and trends that shape and will continue to shape current and future public relations practice and the role of public relations in organizations. Advanced students may complete their portfolios and production reels. This course is designed to develop skills in directing, production protocol, location and unit production management, and script supervision with advanced skills in the production departments of camera, sound, and grip/electric. Students develop and nurture critical thinking skills within the context of public relations. Prerequisite: COMM 1130. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 4640</td>
<td>Feature Writing</td>
<td>3.00 CR</td>
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<td>For communications majors with an interest in writing for the print media. This course explores styles and topics of nonfiction writing for both newspapers and magazines. It also addresses the magazine industry and freelance writing. Students will write a variety of feature articles. Prerequisites: COMM 1130 and COMM 1610. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 4680</td>
<td>Advanced Reporting</td>
<td>3.00 CR</td>
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<td>For communications majors with an interest in writing for the print media. Students further develop news writing and reporting skills by covering beats in the community in an attempt to get published. This is a writing-intensive course. Prerequisites: COMM 1610. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 4700</td>
<td>Adv Digital Film Production</td>
<td>2.00 CR</td>
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<td>Designed as a constructivist class for majors advancing skills in Digital Motion Picture Production. Methods and protocols acquired in the 3600 series classes are put to work in real-world production environments. Participants produce student projects in documentary, short film, and commercial media and then post their projects on Final Cut Pro for distribution to film festivals and contests, but more importantly to complete their portfolios and production reels. This course is designed to develop skills in directing, production protocol, location and unit production management, and script supervision with advanced skills in the production departments of camera, sound, and grip/electric. Prerequisite: COMM 3660/3665. 2 lecture hours per week.</td>
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<tr>
<td>COMM - 4705</td>
<td>Adv Digital Film Production LA</td>
<td>1.00 CR</td>
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<td>This is the lab section for COMM 4700, a course designed as a constructivist class for majors advancing skills in Digital Film Production. Methods and protocols acquired in the 3600 series classes are put to work in real-world production environments. Participants produce student projects in documentary, short film, and commercial media and then post their projects in Final Cut Pro for distribution to film festivals and contests, but more importantly to complete their portfolios and production reels. This course is designed to develop skills in directing, production protocol, location and unit production management, and script supervision with advanced skills in the production departments of camera, sound, and grip/electric. Co-requisite: COMM 4700. 2 lab hours per week.</td>
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<tr>
<td>COMM - 4790</td>
<td>Audio Design/Dig Film Prod</td>
<td>3.00 CR</td>
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<td>Designed for CNM (Communications New Media) majors with the objective of building on baseline audio production competencies gained in COMM 3790. Audio design in digital film requires production techniques in ambient and studio production with specific skills in Foley, ADR, mixing and re-mixing, looping and sweetening. This course addresses the theory and application of cinematic audio design, using Adobe Audition, Final Cut Pro, and Pro Tools. Curriculum focuses on examining real-world sound environments in production and developing essential design and mixing skills through hands-on application of the software and student produced digital media, as well as lecture and guest-lecture. Skills developed in this course include competency with the above mentioned software, the ability to re-create ambient and dialogue sequences through Foley, ADR and looping, and integrating tracks in sound mixes and re-mixes for final mastering. Prerequisite: COMM 3790, or instructor permission. 3 lecture hours per week.</td>
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<tr>
<td>COMM - 4800</td>
<td>Adv Dig Film Post Production</td>
<td>2.00 CR</td>
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<td>A constructivist class for Film Emphasis majors designed to advance non-linear editing (NLE) in post-production. It is the culmination of COMM 4700 in completing the study of the production process. Majors learn NLE editing protocols for Final Cut Pro and Adobe Premier editing their footage shot for their short film projects from COMM 4700. These skills are developed hands-on with both platforms, integrating audio design and sweetening. The course may be adapted by students to integrate composited sequences as well. Prerequisite: COMM 3680/3685. 2 lecture hours per week.</td>
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<tr>
<td>COMM - 4805</td>
<td>Adv Digital Film Post-Prod LAB</td>
<td>1.00 CR</td>
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<td>This is the lab section for COMM 4800, a constructivist class for CNM majors designed to advance non-linear editing (NLE) in post-production. It is the culmination of COMM 4700 in completing the study of the production process. Majors learn NLE editing protocols for Final Cut Pro and Adobe Premier editing their footage shot for their short film projects from COMM 4700. These skills are developed hands-on with both platforms, integrating audio design and sweetening. The course may be adapted by students to integrate composited sequences as well. Co-requisite: COMM 4800. 2 lab hours per week.</td>
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COMM - 4810  Shooting for Compositing  3.00 CR  
Designed for CNM majors with the objective of understanding shooting for compositing for digital film production. Compositing is the layering of virtual plates with digital videography, also known as "green-screen." This technique requires special knowledge of lighting, cameras and lenses, time and space aspects of the film plane, and composition as they relate to digital compositing. This course addresses the theory and application of cinematography as they relate to constructing virtual with real environments. Curriculum focuses on examining cinematography in real-world composited artifacts and developing essential photographic skills through hands-on compositing production of student projects. Skills developed in this course include calculating exposure and lighting for green screen, compositional influences of compositing, shooting larger than life - lens and camera selection for compositing. Prerequisite: COMM 4700; co-requisite: COMM 4810. 3 lecture hours per week.

COMM - 4820  Compositing  3.00 CR  
Designed for CNM majors with the objective of understanding compositing for digital film production. Compositing is the layering of virtual plates with digital videography, also known as "green-screen." This technique requires special knowledge of lighting, cameras and lenses, time and space aspects of the film plane, and composition as they relate to digital compositing. This course addresses the theory and application of compositing design, layering using Maya and Adobe After Effects. Curriculum focuses on examining real-world composited artifacts and developing essential compositing skills through hands-on application of the software and student produced digital media, as well as lectures and guest-lectures. Skills developed in this course include competency with After Effects, Maya or other industry-standard compositing software, the ability to layer virtual sequences with live photography and color all layers for seamless integration. Prerequisite: COMM 4700; co-requisite: COMM 4810. 3 lecture hours per week.

COMM - 4850  Seminar: Organizational Comm  3.00 CR  
This course is designed specifically for students in the Human Communication Emphasis. Organizational Communication Track. Each student will examine and apply 3-5 primary theories within a specific, modern organizational setting over the course of the semester. The course format will be conducted primarily as discussion with colleagues and the instructor with regard to theory identification, developing justification for theory application, applying theory, analyzing effects of applications, and seeking critical feedback from the instructor and classmates. Independent study away from the traditional classroom is encouraged as well as the use of interactive communication technologies (e.g., WebCT) to sustain continued contact with the instructor and classmates. Students should be able to provide consultative advice to the target organization such that organizational policies, procedures, interpersonal dynamics, and predictive outcomes can be facilitated. Prerequisite: COMM 3850. 3 lecture hours per week.

COMM - 4950  Communication Internship  1.00 - 3.00 CR  
For Communications/New Media students between their junior and senior years involved in upper-division coursework completion, this internship is designed to integrate students into professional communication environments to increase competencies and initiate networking. Environments include broadcast and feature film production, corporate and business communications, public relations, and the like. 2-6 contact hours per week.

COMM - 4980  Senior Seminar (Capstone)  3.00 CR  
The Senior Capstone course requires students to demonstrate mastery of their studies within the Communication Degree curriculum by engaging in the successful performance of a work-related project and corollary research paper, artistic creation, and/or related portfolio. The intent is to allow the student an opportunity to illustrate his/her competency in Communication Skills as well as being able to apply those skills effectively. Instructor permission required. 3 lecture hours per week.

COMP - 1100  Begin Computer & Internet Ops  1.00 CR  
This course is recommended for students who need a basic foundation in the basic operations for a personal computer. This course is designed to give the student a basic knowledge of the Windows operating system, computer concepts, and the Internet. The basics of computer hardware and software will be covered as well as file management and the accessories programs found in the Windows operating system. It will also cover Internet basics including Web browsers, and e-mail. This course is a pass/fail self-paced course which will meet elective credit guidelines but is not designed to meet the computer literacy requirement nor can it be used to meet transfer requirements for business-related programs. Course is pass/fail. 4 lab hours per week for 8 weeks.

COMP - 1210  Beginning HTML  1.00 CR  
This beginning course introduces Hyper Text Markup Language (HTML) which is used to prepare documents for viewing on the World Wide Web. General Web page format, tables, frames and links to graphics and other documents will be discussed. This course is a pass/fail course which will meet elective credit guidelines but is not designed to meet the computer literacy requirement nor can it be used to meet transfer requirements for business-related programs. Course is pass/fail. 1 lecture hour per week.

COMP - 1300  WordPerfect Fundamentals  1.00 CR  
This course is recommended for all students. It is designed to give the student a basic knowledge of the word processors to prepare, edit, and manipulate text. The basics of word processing including creating, saving, and printing documents; formatting characters, lines, and pages; file management; fonts; spelling, grammar and thesaurus writing tools; inserting graphic images and table basics will be included. This course is a pass/fail course which will meet elective credit guidelines but is not designed to meet the computer literacy requirement nor can it be used to meet transfer requirements for business-related programs. No prerequisites required but COMP 1100 or equivalent computer skill is highly recommended. Course is pass/fail. 4 hours per week for eight weeks.

COMP - 1310  Microsoft Word Fundamentals  1.00 CR  
This course is recommended for all students. It is designed to give the student a basic knowledge of the word processors to prepare, edit, and manipulate text. The basics of word processing including creating, saving, and printing documents; formatting characters, lines, and pages; file management; fonts; spelling, grammar, and thesaurus writing tools; inserting graphic images and table basics will be included. This course is a pass/fail course which will meet elective credit guidelines but is not designed to meet the computer literacy requirement nor can it be used to meet transfer requirements for business-related programs. No prerequisites required but COMP 1100 or equivalent computer skill is highly recommended. Course is pass/fail. 4 lab hours per week for eight weeks.
COMP - 1410  Microsoft Excel for Windows  1.00 CR
This course is recommended for all students. It covers basic spreadsheet skills, including layout and labeling, entering and editing data, the use of mathematical functions for calculations, graphing, and charting results. This course is a pass/fail course which will meet elective credit guidelines but is not designed to meet the computer literacy requirement nor can it be used to meet transfer requirements for business-related programs. No prerequisites required but COMP 1100 or equivalent computer skill is highly recommended. Course is pass/fail. 4 lab hours per week for eight weeks.

COMP - 1430  Financial Rec. Keeping - QuickBooks  1.00 CR
This course is recommended for all students who use a checkbook or keep financial records. This course is an introduction to the Quicken Deluxe 98 program which is a personal finance application that allows you to organize interrelated account, transaction, credit, and investment information. The main objective is to introduce you to Quicken's basic features and give the student an opportunity for hands-on practice. This course is a pass/fail course which will meet elective credit guidelines but is not designed to meet the computer literacy requirement nor can it be used to meet transfer requirements for business-related programs. No prerequisites required but COMP 1100 or equivalent computer skill is highly recommended. 4 lab hours per week for eight weeks.

COMP - 1435  Fin. Rec. Keeping - QuickBooks  1.00 CR
QuickBooks Pro is an inexpensive, yet powerful accounting program for Windows. This class will focus on the following: setting up a business in QuickBooks Pro, invoicing, accounts receivable, accounts payable, payroll, job costing, and report processing. This course is a pass/fail course which will meet elective credit guidelines but is not designed to meet the computer literacy requirement nor can it be used to meet transfer requirements for business-related programs. No prerequisites required but COMP 1100 or equivalent computer skill is highly recommended. 4 lab hours per week for eight weeks.

COMP - 1600  Database Apps - Access  1.00 CR
For individuals with a CIS or Business emphasis and for individuals interested in database management. Teaches procedures and processes used in creating and maintaining a database. Includes creating tables, forms, reports, querying data in one or several tables, and mailing labels. This course is a pass/fail course which will meet elective credit guidelines but is not designed to be used to meet transfer requirements for business-related programs. No prerequisites required but COMP 1100 or equivalent computer skill is highly recommended. 4 lab hours per week for eight weeks.

COMP - 1700  Presentation Apps-PowerPoint  1.00 CR
This course is designed for students who desire to learn computer skills for creating Microsoft PowerPoint presentations. This course provides basic introduction to create a presentation through the preparation, editing and manipulating of slides. This includes changing slide layout and design, inserting graphics objects, formatting text and tables in slides, and preparing slides and supplements for printing. This course is a pass/fail course which will meet elective credit guidelines but is not designed to meet the computer literacy requirement nor can it be used to meet transfer requirements for business-related programs. No prerequisites required but COMP 1100 or equivalent computer skill is highly recommended. 4 lab hours per week for eight weeks.

COMP - 2990  Seminar  1.00 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students demand some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

CS - 1010  Problem Solving with Computers  3.00 CR
Course for students interested in how computers are used to solve problems. This course will introduce the use of computers in problem solving. Topics include problem decomposition and algorithm construction. Students will be required to complete simple programming projects. 3 lecture hours per week.

CS - 1400  Fundamentals of Programming  3.00 CR
Introductory course for students in Computer Science and Computer and Information Technologies programs or having general interest in computer programming. This course will instruct students in structured programming techniques and teach the syntax of a suitable high-level programming language. Students will be required to complete programming projects of increasing difficulty. 3 lecture hours per week.

CS - 1410  Object Oriented Programming  3.00 CR
Second course for students in Computer Science and Computer and Information Technologies programs, or having general interest in computer programming. This course will introduce students to software engineering practices, and instruct them in object-oriented programming techniques. Students will be required to complete programming projects of increasing difficulty. Prerequisite: CS 1400 with a C- or better. 3 lecture hours per week.

CS - 2420  Intro to Alg/Data Structures  3.00 CR
Course for students in Computer Science and Computer and Information Technologies programs or having interest in computer programming. This course will instruct students in the design and use of common data structures, lists, stacks, queues, trees, tables, hash tables, and graphs. Students will be required to complete several challenging programming projects. Prerequisite: CS 1410 with a C- or better. 3 lecture hours per week.
CS - 2450  
Software Engineering  
3.00 CR  
Course for students in Computer Science and Computer and Information Technologies programs, or having strong interest in computer programming. This course will instruct students in current software engineering theory and practice. Students will be required to complete a challenging term project, including individual and team work. Prerequisite: CS 2420 with a C- or better. 3 lecture hours per week.

CS - 2810  
Computer Orgn & Architecture  
3.00 CR  
Course for students in Computer Science and Computer and Information Technologies programs, or having interest in computer hardware. This course will instruct students in the basic building blocks of digital computers, instruction sets, number representation, interrupts, RISC and CISC architectures, etc. Students will be required to complete programming projects in a high level language and in assembly language. Prerequisite: CS 1410 with a C- or better. 3 lecture hours per week.

CS - 2990  
Seminar in Computer Science  
0.50 - 3.00 CR  
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students demand some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission

CS - 3000  
Internet Publishing and Design  
3.00 CR  
Course for students pursing a degree in Computer and Information Technology (CIT) or Computer Science. Teaches Internet publishing and design principles and concepts. Topics include interface design, PHP scripting, intermediate and advanced HTML (Hypertext Markup Language) techniques, Cascading Style Sheets, XML (Extensible Markup Language), JavaScript, QuickTime Virtual Reality (QTVR), and other advanced web publishing tools. Emphasis is on web application development and appropriate use of technologies in Internet development. Prerequisite: CS 2450 with a C- or better. 3 lecture hours per week.

CS - 3100  
Adv Multimedia/Internet Integ  
3.00 CR  
Course for students pursing a degree in CIT or Computer Science. Teaches interactive multimedia application development. Introduces the hardware and software used to integrate test, sound, graphics, animation, and video into rich-content multimedia projects. Course includes lecture, hands-on step-by-step examples, and assignments to be completed as homework. Students learn the process of creating multimedia projects through the use of various computer-based disciplines, including graphic design, digital video, interface architecture, and light OOP-structured programming. Upon successful completion of this course, students should be able to create interactive multimedia presentations with professionally designed interfaces and rich content that is capable of delivery via a web browser or in a stand-alone application. Prerequisite: CS 2420 with a C- or better. 3 lecture hours per week.

CS - 3400  
Operating Systems  
3.00 CR  
Course for students in Computer Science or having interest in computer programming. This course will instruct students in Operating Systems design and use. Students will learn about processes and threads, deadlocks, memory management, input/output, and file systems. Students will be required to complete challenging programming projects. Prerequisites: CS 2420 and CIS 2810, both with a C- or better. 2 lecture hours and 2 lab hours per week.

CS - 3410  
Distributed Systems  
3.00 CR  
Course for students in Computer Science or having interest in computer programming. This course will instruct students in the design and implementation of applications distributed across a network. Topics include message passing, concurrency, synchronization, scalability, and partial failure. Students will be required to complete challenging programming projects. Prerequisites: CS 2420 and CS 2810, both with a C- or better. 3 lecture hours per week.

CS - 3500  
Application Development  
3.00 CR  
Course for students in Computer Science and Computer and Information Technologies programs or having interest in designing and implementing programs with graphical interfaces. This course will instruct students in the theory and practice of constructing easy to use interfaces. Students will be required to complete programming projects for a suitable graphical environment. Prerequisites: CS 1410 with a C- or better. 2 lecture and 2 lab hours per week.

CS - 3510  
Advanced Algorithms/Data Struct  
3.00 CR  
Course for students in the Computer Science Program. This course will instruct students in the analysis and design of algorithms and data structures including balanced trees, graphs, greedy algorithms, divide and conquer, and dynamic programming. Prerequisites: CS 2420, CS 2810, and MATH 3310, all with a C- or better. 3 lecture hours per week.

CS - 3520  
Programming Languages  
3.00 CR  
Course for students in the Computer Science program. This course will instruct students in the principles and concepts that characterize high-level computer programming languages, including process and data abstraction, encapsulation, inheritance, functional programming and logic programming. Prerequisites: CS 2420 and CS 2810, both with a C- or better. 3 lecture hours per week.
Course for students in the Computer Science program. This course will instruct students in the theory of computation, including finite-state automata, Turing machines, languages, grammars, and computational complexity. Prerequisites: CS 2420, CS 2810, and MATH 3310, all with a C- or better. 3 lecture hours per week.

CS - 3600 Graphics Programming 3.00 CR
Course for students in Computer Science and Computer and Information Technologies programs, or having interest in game development, 3-D modeling and rendering. This course will instruct students in 2-D and 3-D model creation, transformation, and various rendering techniques. Students will be required to complete programming assignments. Prerequisite: CS 2420 and CS 2810, both with a C- or better. 3 lecture hours per week.

CS - 4000 Dynamic Web Development 3.00 CR
Course for students pursuing a degree in CIT or Computer Science. Teaches dynamic web development using PHP, an open source serve side scripting environment, and MySQL, an open source database application. Topics include basic scripts and functions, variables, form processing, server side includes, web database integration, database design, database driven web sites, security, and web management systems. Emphasis is on web application development. Prerequisite: CS 2420 and VT 1400, both with a C- or better. 3 lecture hours per week.

CS - 4010 Interactive Web Development 3.00 CR
Course for students pursuing a degree in CIT. This course will instruct students in client-side web development using JavaScript. Topics include form validation, interactive web page development, DOM manipulation, client-side applications, and interaction with server-side applications. Students will be required to complete programming projects and design web applications. Prerequisite: CS 2420 and VT1400, both with a C- or better. 3 lecture hours per week.

CS - 4100 Adv Multimedia/Internet Integ 3.00 CR
Course for students pursuing a degree in CIT or Computer Science. Teaches integration and application of multiple media with appropriate delivery systems. Portfolio grade projects developed through this course will add credibility to students' job skills. Upon successful completion, students should have a solid grasp of how to develop and deliver content-rich projects with high production values via CD-ROM, Internet, and DVD media. Prerequisite: CS 2420 with a C- or better. 3 lecture hours per week.

CS - 4300 Artificial Intelligence 3.00 CR
Upper lever course for students in Computer Science and Computer and Information Technologies programs. This course covers the basics of Artificial Intelligence in computer software. The course introduces the broad field of Artificial Intelligence, then specializes in Artificial Intelligence as it applies to computer gaming strategies. Students will be required to complete programming assignments. Prerequisites: CS 2420 and CS 2810, both with a C- or better. 3 lecture hours per week.

CS - 4550 Compilers 3.00 CR
Course for students in Computer Science or having interest in computer programming. This course will instruct students in compiler design and implementation. Students will learn about lexical analysis, parsing, symbol table management, and generating code. Students will be required to complete challenging programming projects. Prerequisites: CS 2420 and CS 2810, both with a C- or better. 3 lecture hours per week.

CS - 4600 Senior Project 3.00 CR
Course for students in Computer Science and Computer and Information Technologies programs. This course will instruct students in advanced topics of software engineering. Teams of students will be required to complete an aggregating programming project. Instructor permission required. 3 lecture hours per week.

CS - 4990 Seminar in computer Science 1.00 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students demand some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements.

DANC - 1010 Dance Appreciation *FA 3.00 CR
A beginning theoretical dance course for students with an emphasis in dance, and for all students interested in fulfilling the general education fine arts requirements. The course is designed to introduce the definition of dance, the basic history of dance, the different types and styles of dance, and an understanding of, and an appreciation for dance. It is also designed to familiarize students with individuals who have made significant contributions in the dance field, and to enable students to make certain critical analyses: to identify style, form, content and technique. It is taught through lecture, video observation and participation. There are no prerequisites for this class. 3 lecture hours per week.


**DANC - 1100 Classical Ballet I**  
2.00 CR  
For students with an emphasis in dance and for all students interested in developing skills in ballet. This course is designed to give students an introduction to the fundamentals of classical ballet through movement, including body alignment, technical skills (barre and center) and ballet terminology. Fundamentals are taught in a structured ballet studio setting. Can be repeated for credit. This course is a prerequisite to DANC 2100. Taught fall semester only. 3 studio hours per week.

**DANC - 1170 Social Dance**  
1.00 CR  
A beginning social ballroom dance course for students with an emphasis in dance, and for all students interested in developing skills in social dance. This course is designed to introduce the basic ballroom dance movements and routines as well as specific demands of correct partner work. It includes instruction in selected dances, mastery of step patterns, movement quality and style. Taught in a studio format. 2 studio hours per week.

**DANC - 1200 Modern Dance I**  
2.00 CR  
A beginning modern dance technique course for students with an emphasis in dance, and for all students interested in developing skills in modern dance. This course is designed to introduce basic modern dance movements and an understanding of and an appreciation for modern dance. Students who successfully complete this course will have beginning modern dance skills and be prepared to enroll in DANC 2200. Can be repeated for credit. 3 lecture hours per week.

**DANC - 1500 Jazz Dance I**  
2.00 CR  
For students with an emphasis in dance, and for all students interested in developing skills in jazz dance. Studies American Jazz dance with an emphasis on technique. Rhythmic structures and personal expression will be explored. Taught in a traditional jazz studio format. Students should achieve a personal style of movement. Successful student completers will be prepared to enroll in DANC 2500. 3 studio hours per week.

**DANC - 1510 Ballroom Dance I Standard**  
1.00 CR  
For students with an emphasis in dance, and for all students interested in developing skills of international standard ballroom dance. Teaches beginning level of International Standard Ballroom Dance including Waltz, Foxtrot, Tango and Quickstep. Emphasizes, on a beginning level, correct dance position, rhythm, footwork and etiquette. Successful completers will have a good general knowledge of beginning level of international standard ballroom dance. 2 studio hours per week.

**DANC - 1520 Ethnic Dance I**  
1.00 CR  
For students with an emphasis in dance, and for all students interested in developing skills of international ethnic/folk dance. This course is designed to introduce students to dance styles from around the world. Students will learn standard steps and formations used in a variety of dances. Successful completers will have a good general knowledge of beginning level of International ethnic/folk dance. 2 studio hours per week.

**DANC - 1530 Ballroom Dance I/Int'l Latin**  
1.00 CR  
For students with an emphasis in dance, and for all students interested in developing skills of international Latin ballroom dance. Teaches beginning level of International Latin ballroom dance including Cha-cha, Samba, Rumba and Jive. Emphasizes, on a beginning level, correct dance position, rhythm, footwork and etiquette. Successful completers will have a good general knowledge of beginning level of international Latin ballroom dance. 2 lecture hours per week.

**DANC - 1540 Movement for Music Theatre**  
1.00 CR  
For students with an emphasis in dance, and for all students interested in developing skills in dance movement styles for musical theater. Required for students with an emphasis in dance and for students with an emphasis in theatre performance. Studies style and technique for dance in preparation for Dixie College theatre productions. May include tap and character dance. Taught in a studio setting, also uses verbal description, demonstration and video. Successful completers will have increased skills in preparation for musical theatre auditions and performance. May be repeated for credit.

**DANC - 1800 Dance Company I**  
2.00 CR  
For all freshmen who wish to be a member of the Dixie State College Dance Company. Teaches dance techniques and performing skills that are required for dance performances. Prepares students in dance technique and artistic expression aspects for dance performances and for their future dance careers. Emphasizes the development of personal discipline and collaborative skills. Rehearses dance productions for dance performances. Can be repeated for credit. Course fee required. Prerequisite: Audition or instructor permission required.

**DANC - 1900 Dance Composition I**  
2.00 CR  
For students with an emphasis in dance, and for all students interested in dance composition. This course is designed to provide students a studying experience of dance composition/chorography through a structured studio setting. Fundamental concepts of dance composition/chorography are learned and explored. Elements of space, time and qualities of movement are basis for compositional study. Course requires some previous dance experience. Instructor permission required. Elective credit. 3 studio hours per week.

**DANC - 2100 Classical Ballet II**  
2.00 CR  
For students with an emphasis in dance, and for all students interested in developing skills in ballet. A continuation of DANC 1100. Focus on progression and development of ballet vocabulary and technical skills, with increase difficulty at the barre, center floor and traveling steps. Can be repeated for credit. 3 lecture hours per week.
DANC - 2200  Modern Dance II  2.00 CR
For students with an emphasis in dance, and for all students interested in developing skills in modern dance. A continuation of DANC 1200. 3 lecture hours per week.

DANC - 2221  Pointe I  1.00 CR
Students will gain an understanding of the correct way to arrive en pointe with one or two feet, and grow in strength and agility within the classical ballet repertoire. At the completion of the semester, students should be able to successfully execute a short, simple variation en pointe. Taught spring semester. 2 studio hours per week.

DANC - 2250  Jazz Dance II  2.00 CR
This course is designed for students with an emphasis in dance, and for all students interested in developing skills in jazz dance (a continuation of DANC 1500). The course is designed to teach more difficult combinations, introduce performance styles, and is taught in traditional jazz studio format. Successful student completers will further develop a personal style of movement. Can be repeated for credit. 3 studio hours per week.

DANC - 2500  Ballroom Dance II - Int'l Std  1.00 CR
This course is the next step for a student after a beginning level class in the international standard style of ballroom dancing. The dances covered in this class will be Waltz, Tango, Quickstep, and Fox trot. Greater emphasis is given on the footwork, posture, movement and alignment. Although this class is more structured than a beginning class, it is still intended to provide an enjoyable experience. At the end of the course students should be able to dance the routines taught using proper footwork and rhythm. Prerequisite: DANC 1510. 2 lecture hours per week.

DANC - 2510  Ballroom Dance II, Int'l Latin  1.00 CR
This course is the next step for a student after a beginning level class in the international Latin style of ballroom dancing. The dances covered in this class will be Samba, Cha Cha, Rumba, Paso Doble and/or Jive. Greater emphasis is given on the footwork, posture, movement and alignment. Although this class is more structured than a beginning class, it is still intended to provide an enjoyable experience. At the end of the course students should be able to dance the routines taught using proper footwork and rhythm. Prerequisite: DANC 1530. 2 lecture hours per week.

DANC - 2800  Dance Company II  2.00 CR
For all sophomores who wish to be a member of the Dixie State College Dance Company. Teaches dance techniques and performing skills that are required for dance performances. Prepares students in dance technique and artistic expression aspects for dance performances and for their future dance career. Emphasizes the development of personal discipline and collaborative skills. Rehearses dance productions for dance performances. Can be repeated for credit. Course fee required. Prerequisite: Audition or instructor permission required.

DANC - 2990  Seminars in Dance  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

DANC - 3200  Modern Dance III, Advanced  2.00 CR
An advanced modern dance technique course for dance students and for all students interested in developing advanced technical skills in modern dance. A continuation of DANC 2200. It is designed to increase the difficulty and to enhance the quality of modern dance movements. It is the progression of development with modern dance technical and performing skills. Prerequisite: DANC 2200 or instructor permission.

DHYG - 1010  Dental Hygiene Theory I  3.00 CR
The students will be introduced to the theoretical foundations of preventative oral health services used in the dental hygiene process. Emphasis is on prevention of disease transmission, body mechanics, patient assessment, basic dental hygiene instrumentation, oral healthcare planning, extrinsic stain removal, topical anesthesia, ethical decision making, and the role and responsibilities of the dental hygienist. Prerequisite: Acceptance into Dental Hygiene Program is required. 3 lecture hours per week.

DHYG - 1015  Dental Hygiene Clinic I  3.00 CR
The student will take this course concurrently with DHYG 1010, Dental Hygiene Theory I. The student will gain clinical and laboratory application of introductory skills essential to rendering oral health services to patients with emphasis on basic dental hygiene instrumentation. Prerequisite: Acceptance into Dental Hygiene Program is required. Corequisite: DHYG 1010. 9 clinic hours per week.
The students will be required to study the nature and production of x-rays and basic principles and procedures in oral radiology. Emphasis is on radiation physics, radiation biology, radiation protection, basic intra oral radiographic techniques, film processing, and mounting procedures. Emphasis is placed on supplemental intra-oral techniques, extraoral techniques, localization techniques, radiographic interpretation, and patient management topics. Prerequisite: Acceptance into Dental Hygiene Program is required. Corequisite: DHYG 2025. 2 lecture hours per week.

**DHYG - 2020**  
Radiology  
2.00 CR

This course is the clinical hands-on portion of DHYG 2020. The student will participate in taking intra-oral radiographs on mannequins and patients. Prerequisite: Acceptance into Dental Hygiene Program is required. Corequisite: DHYG 2020. 3 clinic hours per week.

**DHYG - 2025**  
Radiology Clinic  
1.00 CR

The students will study the anatomy and physiology of the teeth, of the issues of the oral cavity, and of the head and neck. Emphasis is on location, function, and nomenclature, muscles of the head and neck, and occlusion. Prerequisite: Acceptance into Dental Hygiene Program is required. 3 lecture hours per week.

**DHYG - 2035**  
Head/Neck Anatomy  
3.00 CR

The student will be able to identify the structures that make up the roof, the floor and the lateral borders of the oral cavity proper at all stages of development. Included in this are the following areas of discussion: oral cavity, tooth functions, terminology, fundamental and preventative curvatures of the oral cavity, the dentition, the development, form, and eruption of the teeth, occlusion, dental anomalies, supporting structures of the teeth, clinical consideration of the dental anatomy, tooth identification and morphology and examination of the deciduous dentition. Prerequisite: Acceptance into Dental Hygiene Program. Corequisite: DHYG 2045. 1 lecture hour per week.

**DHYG - 2040**  
Tooth Morphology  
1.00 CR

The student will study the anatomy and physiology of the teeth, of the issues of the oral cavity, and of the head and neck. Emphasis is on location, function, and nomenclature, muscles of the head and neck, and occlusion. Prerequisite: Acceptance into Dental Hygiene Program is required. 3 lecture hours per week.

**DHYG - 2045**  
Tooth Morphology Lab  
1.00 CR

To acquire an understanding of how cells, tissues, and organs develop and function, with emphasis placed on the oral cavity, including a review of basic cell and embryologic developments. Histology of the structures of the oral cavity from embryonic stages through complete development are examined. Common embryologic defects of the oral cavity are covered also. Prerequisite: Acceptance into Dental Hygiene Program is required. 2 lecture hours per week.

**DHYG - 2052**  
Oral Histology/Embryology  
2.00 CR

The students will gain an understanding of pharmacological and therapeutic agents. The preparation, chemical formula, effects, and applications of these agents are analyzed. Prevention and management of medical emergencies in the dental field using medications are evaluated. Emphasis will be placed on prescription and nonprescription drugs commonly used by patients seen in dental practice. These may require the alteration of treatment procedures and medications used in the dental setting. Medical emergency agents used in medical emergency procedures will be investigated. Prerequisite: Acceptance into Dental Hygiene Program is required. 3 lecture hours per week.
Emphasis will be on the principles of periodontology involving assessment, etiology, risk factors, and classification of periodontal disease; basic treatment planning, and non-surgical periodontal therapy. The student will gain knowledge in the various types of therapeutic techniques available. Prerequisite: Acceptance into Dental Hygiene Program is required. 3 lecture hours per week.

**DHYG - 2540  Periodontics I**  
3.00 CR

The student will be introduced to the various products and materials involved with dentistry. This course gives the student a comprehensive background in the art, science and use of dental materials. Students discuss the physical properties of metals, hydrocarbons, and other materials as well as advantages and disadvantages of these materials in dentistry. Examination of these materials: allergenicity or other complications that may arise from use of these materials are evaluated. Prerequisite: Acceptance into the Dental Hygiene Program is required. Corequisite: DHYG 2585. 1 lecture hour per week.

**DHYG - 2580  Dental Materials**  
1.00 CR

This is the laboratory portion of DHYG 2580. Prerequisite: Acceptance into Dental Hygiene Program. Corequisite: DHYG 2580. 2 lab hours per week.

**DHYG - 3015  Dental Hygiene Clinic IV**  
5.00 CR

The students will be required to gain experience in the supervised clinical setting. Continued development of clinical proficiency and decision making in rendering comprehensive preventive oral health services using dental hygiene process will be necessary. Emphasis will be on clinical appreciation and development of skills in maintenance, management and evaluation of the periodontal patient; treatment planning; disease control; scaling and root planning for the periodontally involved patient; and increased treatment in the expanded duties of the dental hygienist. This is a service learning project. Prerequisite: Acceptance into Dental Hygiene Program is required. 16 clinic hours per week.

**DHYG - 3020  Special Needs**  
2.00 CR

The student will study the psycho-social, physical and oral characteristics of patients with special needs. The care and clinical management of special needs patients in the clinical setting will be taught. The students will be actively involved in the local community, teaching, treating, and managing the care of the special needs patient. Instead of this class being a strictly didactic course, it has become an active, hands-on, clinical experience, with the special needs community. This is a service learning course. Prerequisite: Acceptance into the Dental Hygiene Program is required. Corequisite: DHYG 3025. 2 lecture hours per week.

**DHYG - 3030  Periodontics II**  
3.00 CR

Continued study of periodontal diseases from DHYG 2540 with emphasis on aggressive forms, periodontal treatment planning, maintenance procedures, surgical procedures, related systemic diseases and therapy. Prerequisite: Acceptance into the Dental Hygiene Program is required. 1 lecture hours per week.

**DHYG - 3050  Legal/Ethical Issues**  
2.00 CR

The student will study current legal and ethical issues that influence the practice of dental hygiene. Prerequisite: Acceptance into the Dental Hygiene is required. 2 lecture hours per week.

**DHYG - 3060  Community Dental Health I**  
2.00 CR

The student will have an introduction to the principles of dental public health, community dental health education and community program planning. This course will prepare the dental hygiene student for the role of dental public health practitioner, educator, consultant and resource person in community settings. Students will prepare educational learning activities and visual aides designed for diverse community groups. Prerequisite: Acceptance into Dental Hygiene Program is required. Corequisite: DHYG 3065. 2 lecture hours per week.

**DHYG - 3065  Community Dental Health I Cln**  
1.00 CR

This is the clinical portion of DHYG 3060. The student will participate in 3 hours of clinical experience each week in clinical situations associated with community dental health. This is a service learning course. Prerequisite: Acceptance into Dental Hygiene Program is required. Corequisite: DHYG 3060. 3 clinic hours per week.

**DHYG - 3515  Dental Hygiene Clinic V**  
5.00 CR

The student will gain clinical experience in a supervised clinic setting. Continued development of clinic proficiency and decision making in rendering comprehensive preventive oral health services using the dental hygiene process will be necessary. Emphasis will be on a clinical application and development of skills in maintenance, management and evaluation of periodontal patient; treatment planning, disease control; and scaling and root planning on periodontally involved patients. Prerequisite: Acceptance into the Dental Hygiene Program is required. 16 clinical hours per week.

**DHYG - 3560  Community Dental Health II**  
1.00 CR

The student will have an introduction to the principles of dental public health, community dental health education and community program planning. This course will prepare the dental hygiene student for the role of dental public health practitioner, educator, consultant and resource person in community settings. Students will prepare educational learning activities and visual aides designed for diverse community groups. Prerequisite: Acceptance into Dental Hygiene Program is required. Corequisite: DHYG 3065. 2 lecture hours per week.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHYG 3565</td>
<td>Community Dental Health II Cln</td>
<td>1.00 CR</td>
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<tr>
<td></td>
<td>This is the clinical portion of DHYG 3060. The student will participate in 3 hours of clinical experience each week in clinical situations associated with community dental health. This is a service learning course. Prerequisite: Acceptance into Dental Hygiene Program is required. Corequisite: DHYG 3060. 3 clinic hours per week.</td>
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<tr>
<td>DHYG 3570</td>
<td>Dental Hygiene Practice Mgmt</td>
<td>1.00 CR</td>
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<td>This course is offered to second-year dental hygiene students to aid them in preparation for specific national, regional, and state boards. The course's purpose is to increase the student's knowledge in preparing to take the particular board(s) they choose to participate in and aid their entry into dental private practice. Prerequisite: Acceptance into Dental Hygiene Program is required. 1 lecture hour per week.</td>
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<tr>
<td>DHYG 3580</td>
<td>Advanced Clinical Studies</td>
<td>1.00 CR</td>
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<td>This course if offered to post-graduate dental hygienists awaiting their opportunity to take their choice of a Clinical Board. This class provides 20 hours of supervised clinical time in maintaining and/or improving a graduate's dental hygiene skills. Permission granted for course on an as needed basis by the Dental Hygiene Program Coordinator. 3 clinical hours per week.</td>
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<tr>
<td>DHYG 3815</td>
<td>Dental Hygiene Clinic III</td>
<td>2.00 CR</td>
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<td>This course allows the student dental hygienist to increase experience and continual development of clinical proficiency and decision making in providing comprehensive preventative oral health services. This is a service learning course. 6 clinic hours per week.</td>
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<tr>
<td>DHYG 3850</td>
<td>Expanded Functions Lab</td>
<td>1.00 CR</td>
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<td>This course is a clinical introduction to various dental functions in the dental practice. These include, but may not be limited to: taking impressions, selecting and placing different restorative materials along with polishing and contouring of the restorations. Prerequisite: Completion of the second semester of the Dental Hygiene Program required to enroll in this class. 2 lab hours per week.</td>
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<tr>
<td>DHYG 3890</td>
<td>Pain Control Methodology</td>
<td>1.00 CR</td>
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<td>The students will be introduced to the administration of local anesthetics and nitrous oxide/oxygen analgesia. Use of pharmacological agents in the dental office are compared, contrasted, and justified. Physical and emotional evaluation of patients are taken into consideration along with their anatomical and neurophysical characteristics. Management of medical emergencies are analyzed and related to the pharmacological agents used in the dental setting. Prerequisite: Acceptance into Dental Hygiene Program is required. Corequisite: DHYG 3895. 1 lecture hour per week.</td>
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<tr>
<td>DHYG 3895</td>
<td>Pain Control Methodology Cln</td>
<td>1.00 CR</td>
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<td>This is the clinical portion of DHYG 3890. The student will practice the administration of local anesthetic and nitrous oxide/oxygen analgesia to patients. Corequisite: DHYG 3890. 3 clinical hours per week.</td>
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<tr>
<td>DHYG 4010</td>
<td>Biostatistics &amp; Epidemiology</td>
<td>2.00 CR</td>
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<td>Principles and methods of epidemiologic investigation and the use of classical statistical approaches to describe the oral health of populations. Prerequisite: Acceptance into the Bachelors of Dental Hygiene Completion Program is required.</td>
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<tr>
<td>DHYG 4020</td>
<td>Research Methodology</td>
<td>2.00 CR</td>
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<td>The student will gain a fundamental and working knowledge of the scientific method employed in oral health research. They will perform a critical analysis of research utilizing scientific research and supporting evidence-based publications. Prerequisite: Acceptance into the Bachelors of Dental Hygiene Degree Completion Program is required.</td>
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<tr>
<td>DHYG 4030</td>
<td>Leadership and Group Dynamics</td>
<td>2.00 CR</td>
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<td>This course focuses on the theories, concepts, and principles of leadership. Emphasis will be on the development of leadership skills related to personal behavior, communication, organization, and self-examination. This course explores the opportunity to develop leadership roles appropriate to the dental hygiene profession. Prerequisite: Acceptance into the Bachelors of Dental Hygiene Completion Program is required.</td>
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<tr>
<td>DHYG 4510</td>
<td>Instruct. Design &amp; Measurement</td>
<td>2.00 CR</td>
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<td>Introduction to basic educational concepts of teaching health care professionals. Topics included are educational planning; course development and design; goals and learning objectives; and evaluation and measurement. Prerequisite: Acceptance into the Bachelors of Dental Hygiene Degree Completion Program is required. 2 lecture hours per week.</td>
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DHYG - 4520  Instructional Practice  2.00 CR
Provides students with knowledge and skills involved in laboratory and clinical instruction. Psychomotor skill development, analysis and remediation of performance problems are stressed. Prerequisite: Acceptance into the Bachelors of Dental Hygiene Degree Completion Program is required. 6 clinical hours per week.

DHYG - 4530  Psych. & Philosophical Fdns  2.00 CR
Emphasis will be placed on curriculum planning and implementation. Includes teaching philosophies and methodologies. Foundations of teaching such as principles of learning, learning styles and motivation, case-based learning, and using educational media and software. Prerequisite: Acceptance into the Bachelors of Dental Hygiene Degree Completion Program is required. 2 lecture hours per week.

DHYG - 4540  Public Hlth & Cult. Diversity  2.00 CR
The student will learn about the historical and evolutionary concepts of public health. Exploration of social responsibility and population characteristics. A basic knowledge of working with cultural diversity in public health settings. Prerequisite: Acceptance into the Bachelors of Dental Hygiene Degree Completion Program is required. 2 lecture hours per week.

DHYG - 4550  Dental Public Health Admin  2.00 CR
The student will become aware/familiar with the infrastructure of administrative public health by discussing profile comparisons of the international, federal, state, and local public health entities. These discussions will address the public health paradigm on general policies, philosophies, and current public/community health issues. There will be an introduction to the process of evaluating community health settings and health care services, as well as, social responsibilities regarding professional ethics applicable to the ten essential public health services currently published. The impact of service learning and disparity of health care will be integrated throughout the content areas previously mentioned. Prerequisite: Acceptance into the Bachelors of Dental Hygiene Degree Completion Program is required. This course will include 6 hours of clinical practice each week.

DHYG - 4560  Community Services Practice  2.00 CR
Review of the roles and responsibilities of the private practice dental hygienist as compared to those expected of the public health dental hygienist by engaging the student in supervised community health activities in oral health assessment needs, evaluation of current and future oral health interventions (both oral care and disease prevention) from the dental public health perspective. The student will have the opportunity to administer oral health care/prevention in a variety of settings, both outreach and in-house. Included will be involvement with community oral health policy development and program planning skills based on evidence-based practices to assure the best possible outcome. This is a Service Learning course. Prerequisite: Acceptance into the Bachelors of Dental Hygiene Degree Completion Program is required. This course will include 6 hours of clinical practice each week.

DHYG - 4565  Expanded Functions Cert.  2.00 CR
Lab and clinical application of advanced procedures emphasizing pain control methods, restorative expanded functions, and four-handed dentistry. Duties relate to amalgam, composite and temporary restorations placement. This course is a Service Learning course. Prerequisite: Acceptance into the Bachelors of Dental Hygiene Degree Completion Program is required. 6 hours of clinic per week.

DHYG - 4570  Graduate Project  3.00 CR
This course will provide the student the opportunity to apply knowledge of chosen professional track to develop an action plan and implementing it though teaching, internship and observation, or work experience. This course will use on and off campus sites to develop the expanding role of the dental hygienist. This is the final course in the Bachelors program. Prerequisite: Acceptance into the Bachelors of Dental Hygiene Degree Completion Program is required. 3 lecture hours per week.

ECON - 1010  Economics of Social Issues *SS  3.00 CR
For students seeking to fulfill the social science requirement for general education. The course does not fill Business pre-core requirements. The course offers an introduction to the way economic theory explains scarcity, consumer and producer choice, competition and monopoly, labor, capital, and resource markets, antitrust and other government regulation, and income distribution. Uses lectures, text study, library assignments, films, writing, and exams. The course helps students understand and appreciate the ideas, processes, dynamics and institutions that underlie the social and economic system, and it gives them a foundation for higher education work. 3 lecture hours per week.

ECON - 2010  Micro Economics *SS  3.00 CR
For students seeking to fill the social science requirement of the general education requirements. The course fills Business pre-core requirements. The course offers an introduction to the way economic theory explains scarcity, consumer and producer choice, competition and monopoly, labor, capital, and resource markets, antitrust and other government regulation, and income distribution. The course helps students understand and appreciate the ideas, processes, dynamics, and institutions that underlie the social and economic system, and it gives them a foundation for higher academic work. 3 lecture hours per week.

ECON - 2020  Macro Economics *SS  3.00 CR
For students seeking to fill the social science requirement for general education. The course fills business pre-core requirements. The course offers an introduction to the way economic theory explains scarcity, supply and demand, the role of government, international trade and finance, inflation, depression, economic growth, and government debt. The course helps students understand and appreciate the ideas, processes, dynamics, and institutions that make the American economy work, and it prepares them for higher academic work. Prerequisite: ECON 2010. 3 lecture hours per week.
ECON - 2990  Seminar in Economics  1.00 - 3.00 CR

For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students demand some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements.

Prerequisite: Instructor permission.

ECON - 3500  International Economics  3.00 CR

International Economics is the study of economic activity that crosses a national border. This course will address the history of and current movement of capital and labor across international borders. Since international transactions are beyond the reach of national laws and policies, international economics must also include an overview of the international institutions practices that regulate the flow of goods, resources, and money between countries. Prerequisite: ECON 2020. 3 lecture hours per week.

EDUC - 1000  Transition to Teaching  1.00 CR

For Alternative Route to Licensure (ARL) teachers only. This orientation class will assist ARL teachers who have a bachelor's degree in a content area taught in Utah schools make a successful transition to teaching through the Alternative Route to Licensure program. Course topics include an overview of the ARL program, an overview of the competencies teachers are expected to master in a school setting, and the professional roles and responsibilities of a teacher. Instructor permission required. 1 lecture hour per week.

EDUC - 1010  Foundations/Intro to Education  3.00 CR

For students pursuing a degree in the teaching profession. Provides an overview of vocational aspects of a teaching career including: certification requirements, foundations of education, current and historical issues in education, an overview of current trends in methodology, and classroom management. This class provides students with an opportunity to assess oneself as a prospective teacher. Various teaching methods are used including lecture, cooperative learning, inquiry methods, direct instruction and mastery learning. Students are required to do two full observation days in local K-12 school settings. This class is a prerequisite for admittance to the Dixie State College Education programs. 3 lecture hours per week.

EDUC - 2010  Intro to Exceptional Learners  3.00 CR

Required pre-requisite course for both the Elementary Education degree and the Secondary Education Teaching (SET) program. Provides an overview of exceptional students and examines the teacher's role in integrating these students into the K-12 classroom. Identifies characteristics and special needs of students who have physical, emotional, social, mental, or health exceptionalities. In addition, students will learn the basic laws and policies of Special Education and the key characteristics of inclusion and co-teaching. 3 lecture hours per week.

EDUC - 2400  Fndtns/Multicultural/ESL Educ  3.00 CR

For students interested in learning foundational aspects of multi-cultural issues and initiatives in English as a Second Language. This course serves as a general interest elective in diversity, and as a pre-requisite course for admission to the Dixie State College elementary and secondary education programs. Additionally, the class is the first in a series of course work leading to the State ESL endorsement to the Utah education license. Lectures, discussion, projects, and cooperative learning activities will be used to facilitate learning. Upon completion of the course, students will have a basic understanding of the theoretical and foundational underpinnings of multi-cultural education and ESL, better equipping them to accommodate diversity in K-12 classrooms. 3 lecture hours per week.

EDUC - 2500  Tech/Educ/Elect Port (K-12)  3.00 CR

Required pre-requisite for both the Elementary Education and the Secondary Education Teaching (SET) programs. Teacher candidates will learn basic computer programs and technology tools that will be used to create productive learning environments in the educational setting. For example, computer programs will address grading software, creating databases, spreadsheets, word processors, e-mail, bulletin boards, internet access, educational websites, and Smartboards. In addition to these technology tools, students will develop an electronic portfolio based on INTASC (New Teachers Assessment and Support Consortium) and NET (National Educational Technology Stards for Teachers). This e-portfolio will enable pre-service teachers to document professional growth in a wide range of knowledge, skills, and dispositions through tangible artifacts and reflections throughout their education career. 3 lecture hours per week.

EDUC - 2800  Instruction/Tech/Assmt/Plan  3.00 CR

For ARL teachers only. ARL teachers will focus on unit plans, developing lesson plans, and unwrapping state core content standards. Teachers will learn to use a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills. Formal and informal assessment strategies will be covered to help teachers evaluate and ensure the continuous intellectual, social, and physical development of the learner. Instructor permission required. 3 lecture hours per week.

EDUC - 2820  Creating/Learning Environment  3.00 CR

For ARL teachers only. ARL candidates will focus on how children learn and develop. They will gain knowledge to provide learning opportunities that support students' intellectual, social, and personal development. The ARL teacher will discover how to use an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation. Most of the class content will focus on strategies for classroom management. Instructor permission required. 3 lecture hours per week.

EDUC - 2840  Literacy Strategies  3.00 CR

For ARL teachers only. This course will focus on foundations of reading comprehension of students, and decisions teachers make concerning methods, materials and procedures based on those foundations. ARL teacher candidates will integrate literacy skills (vocabulary, study skills, comprehension development, and writing) within their respective content areas. Instructor permission required. 3 lecture hours per week.
EDUC - 2990  Seminar in Education  0.50 - 3.00 CR

For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course in an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission. Some seminar courses may require fees.

EDUC - 3110  Educational Psychology  3.00 CR

Required pre-requisite course for both the Elementary Education degree and the Secondary Education Teaching (SET) licensure program. Provides prospective teachers with an overview of the relationship of psychology to teaching and learning. Students will learn about the nature of learning, human brain growth, the impact of brain research, child and adolescent development, and how the brain processes information. An emphasis will be placed on how to apply the theories and practices of educational psychology into day-to-day teaching practices. 3 lecture hours per week.

EDUC - 3500  Methods in PE and Movement  2.00 CR

For education majors. Prepares pre-service teachers to integrate movement as well as physical education instruction into their classrooms. Units, lessons, and strategies for organizing such curricula are developed. Students teach components of the curriculum they develop to elementary children. Pre-service teachers gain experience in implementing aspects of dance, movement, drama, and P.E. in elementary classrooms. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. Practicum required. 2 lecture hours per week.

(Note: This course will be changed in Spring 2009 to ELED 3500: Methods in Healthy Lifestyles and Physical Education. It will be offered for 3 credits.)

EDUC - 3990  Seminar in Education  0.50 - 3.00 CR

For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course in an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission. Some seminar courses may require fees.

EDUC - 4430  Family/Parent/Involmt/Educ-ESL  2.00 CR

Seminar with community outreach to meet with ESL parents, district-level personnel, and guest presenters to develop means to tie classroom practice to community resources. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. 2 lecture hours per week.

EDUC - 4900  Student Teaching  9.00 CR

For education majors. 10 weeks of student teaching experience in two elementary grade levels. Cooperating (mentor) teachers support students as they are given responsibility of all aspects of learning in classrooms. College faculty, in conjunction with mentor teachers, scaffold this experience via frequent conferences. Pre-service teachers at the conclusion of student teaching are able to run their own classes and are eligible for state licensure. Prerequisite: Admission to Dixie State College elementary education baccalaureate program. Various lecture/lab hours per week.

EDUC - 4950  Internship Teaching I  3.00 CR

For education majors. The first semester of a full year of internship teaching hired by a public school in cooperation with Dixie State College Education department. Cooperating mentor teachers train and support interns as they are given responsibility of all aspects of learning in the classroom. College faculty in conjunction with mentor teachers scaffold this experience via frequent conferences. Interns are also supported by the school districts in new teacher induction training. At the conclusion of the internship the student is eligible for State licensure in teaching.

EDUC - 4960  Internship Teaching II  9.00 CR

For education majors. The second semester of a full year of internship teaching hired by a public school in cooperation with Dixie State College Education department. Cooperating mentor teachers train and support interns as they are given responsibility of all aspects of learning in the classroom. College faculty in conjunction with mentor teachers scaffold this experience via frequent conferences. Interns are also supported by the school districts in new teacher induction training. At the conclusion of the internship the student is eligible for State licensure in teaching.

EDUC - 4989  Capstone  1.00 CR

For education majors. Capstone seminar for completion of the professional portfolio. An exit interview is conducted by faculty, school district administration, and local teachers. The purpose of the capstone is to solidify the pre-service experiences, present the professional portfolio in its entirety, and to dialogue with educational professionals to plan professional development subsequent to graduation. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. 1 lecture hour per week.
EDUC - 4990  Seminar in Education  0.50 - 3.00 CR

For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is in an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission. Some seminar courses may require fees.

ELED - 3100  Curriculum/Design/Plan/Assmt  3.00 CR

For education majors. Course teaches principles of curriculum design, planning, and assessment for effective instruction. Group work is the primary mode of instruction in the design of units, lessons, and assessment devices. Curriculum materials designed in this class will be used in subsequent practica. Course prepares pre-service teachers for the teaching of content during student teaching. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. Practicum required. 3 lecture hours per week.

ELED - 3150  Prin of Early Childhood Educ  2.00 CR

Content will focus on the historical and philosophical foundations of early childhood education as well as the current issues in the field. Principles of effective teaching techniques and approaches to early childhood curricula emphasizing developmentally appropriate practices, constructivism, and integrated, child-centered curriculum will be explored. Two lecture hours per week. Prerequisite: Admission to Dixie State College Elementary Education program.

ELED - 3250  Effective Classroom Mgmt  3.00 CR

For education majors. Class develops effective managerial skills germane to the teaching profession including: active listening skills, classroom rule-making procedures, grading rubrics, presentation preparation, and seat arrangements. Lecture, guest presenters provide ideas for students to develop their own comprehensive management plan complete with samples of communication/management strategies to prepare students to be active participants in the learning process. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. Practicum required. 3 lecture hours per week.

ELED - 3255  Eff Classroom Mgmt Practicum  0.00 CR

Practicum course to be taken concurrently with ELED 3250.

ELED - 3300  Literacy/Intermediate Grades  3.00 CR

This course will focus on developing the pedagogical knowledge and skills necessary to provide appropriate literacy instruction for students in the intermediate grades (3-6). This course content will focus on the core areas (i.e., comprehension, content area reading, assessment, intervention) necessary to build strong literacy skills, and differentiation strategies needed for readers with diverse backgrounds. Teacher candidates will be required to develop their pedagogical skills during a field experience in the public schools. Must be taken concurrently with ELED 3305. Three lecture hours per week. Prerequisite: Admission to Dixie State College Elementary Education program.

ELED - 3305  Literacy/Interm Grade Practicu  0.00 CR

Practicum course to be taken concurrently with ELED 3300.

ELED - 3350  Literacy Acquisition/Yng Child  3.00 CR

The course will focus on developing the knowledge and skills necessary to provide developmentally appropriate literacy instruction for emerging readers. The course content will focus on the core areas (literacy development, phonemic awareness, phonics, fluency, and word knowledge) necessary to build a strong literacy foundation along with differentiation strategies needed for developing readers with diverse backgrounds. Teacher candidates will be required to develop their pedagogical skills during a field experience in the public schools. Must be taken concurrently with ELED 3355. Prerequisite: Admission to Dixie State College Elementary Education program. 3 lecture hours per week.

ELED - 3410  Lang Acquisition/Cognition ESL  3.00 CR

For education majors. This course is for the ESL Endorsement. The course examines the complex interconnected set of variables that interact in second language acquisition. Second language learning involves complex interactions between the individual and the circles of influence with whom the person engages. The course examines each of these factors and how they work together to foster or inhibit successful language learning and thinking in the classroom. The emphasis is on second language learning. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. Practicum required. 3 lecture hours per week.

ELED - 3415  Lang Acqsn/Cognntn PRACTICUM  0.00 CR

A practicum course to be taken concurrently with ELED 3410.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELED - 3420</td>
<td>Assessment for ESL Education</td>
<td>3.00 CR</td>
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<tr>
<td></td>
<td>For education majors. This course is for the ESL Endorsement. The course is designed to further develop understanding of both traditional and current identification and assessment practices in bilingual and ESL education. This course is also designed to develop methods and techniques for language, academic assessment, and subsequent placement of linguistically diverse students in English and the native language. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. Practicum required. 3 lecture hours per week.</td>
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</tr>
<tr>
<td>ELED - 3425</td>
<td>Assmt for ESL Educ PRACTICUM</td>
<td>0.00 CR</td>
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<tr>
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<td>A practicum course to be taken concurrently with ELED 3420.</td>
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</tr>
<tr>
<td>ELED - 3500</td>
<td>Methods/Healthy Lifestyle &amp; PE</td>
<td>3.00 CR</td>
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<tr>
<td></td>
<td>This course develops the knowledge, skills, and dispositions necessary to teach healthy lifestyles and physical education to elementary-aged children. The purpose of the course is to enable prospective teachers to plan, implement, and evaluate lessons that address healthy lifestyles and physical education objectives of the curriculum for elementary students. Students will practice their skills in a practicum in the public schools. Co-requisite: ELED 3505. Prerequisite: Admission to the Dixie State College Elementary Education Program. 3 lecture hours per week.</td>
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<tr>
<td>ELED - 3501</td>
<td>Methods in PE &amp; Movement</td>
<td>2.00 CR</td>
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<td></td>
<td>For education majors. Prepares preservice teachers to integrate movement as well as physical education instruction into their classrooms. Units, lessons, and strategies for organizing such curricula are developed. Students teach components of the curriculum they develop to elementary children. Preservice teachers gain experience in implementing aspects of dance, movement, drama, and PE in elementary classrooms. Practicum required. Prerequisite: Admission to Dixie State College Elementary Education program. 2 lecture hours per week.</td>
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<tr>
<td>ELED - 3505</td>
<td>Methods/Healthy Lifestyles/Pra</td>
<td>0.00 CR</td>
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<td></td>
<td>A practicum course to be taken concurrently with ELED 3500.</td>
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<tr>
<td>ELED - 3550</td>
<td>Curr/Early Childhood Edu</td>
<td>3.00 CR</td>
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<td>This course will prepare teacher candidates to plan and implement an integrated curriculum with developmentally appropriate activities for young learners of diverse backgrounds. The course will emphasize lesson plan development, routines and schedules, curriculum philosophies, presentation skills, and resource development aligned with state and national standards. Teacher candidates will practice applying their learning during a required field experience. Must be taken concurrently with ELED 3555. Prerequisite: Admission to the Dixie State College Elementary Education program. 3 lecture hours per week.</td>
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<tr>
<td>ELED - 3555</td>
<td>Cur/Early Childhood Ed Practic</td>
<td>0.00 CR</td>
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<td>Practicum course to be taken concurrently with ELED 3550.</td>
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<tr>
<td>ELED - 3600</td>
<td>Healthy Lifestyles</td>
<td>2.00 CR</td>
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<td>For education majors. This course is part of the B.S. in elementary education. The course examines the Utah State Healthy Lifestyles curriculum from grades K-8. It focuses on the design of lessons/units for infusing Healthy Lifestyle curriculum into all aspects of elementary education. Presentation of student created curriculum will be the primary means of instruction culminating in the development of a professional portfolio artifact. Prepares pre-service teachers to implement Healthy Lifestyle curriculum as set forth by U.S.O.E. standards. Teacher candidates will practice applying their learning during a required field experience. Must be taken concurrently with ELED 3555. Prerequisite: Admission to Dixie State College Elementary Education program. 2 lecture hours per week.</td>
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<tr>
<td>ELED - 3650</td>
<td>Assessment of Young Children</td>
<td>2.00 CR</td>
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<td>This course will focus on developing the skills and knowledge for accurately and appropriately assessing the learning and abilities of young children. Both formal and informal assessment strategies and data collection procedures for evaluating children's progress will be presented. Teacher candidates will learn how to use assessment to plan more appropriate instruction for young learners. Prerequisite: Admission to Dixie State College Elementary Education program. 2 lecture hours per week.</td>
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<tr>
<td>ELED - 3900</td>
<td>Diff Instr for Excpnt Children</td>
<td>3.00 CR</td>
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<td>Students will learn about teaching exceptional students, working with parents and specialists, and providing appropriate instructional experiences for children across the academic continuum. They will explore the methods, strategies, and materials that are necessary to provide differentiated instruction for their students. Students will practice applying this knowledge in the practicum setting. Prerequisite: Admission into the Dixie State College Elementary Education Program.</td>
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<tr>
<td>ELED - 3901</td>
<td>Education of Gifted/Talented</td>
<td>3.00 CR</td>
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<td>For education majors. Investigates the nature and pre-disposition of gifted and talented learners. Methods and materials for effective instruction with this population are presented and developed through lecture and demonstration. Students should be prepared to identify and prepare for accelerated learners in the context of their prospective classrooms. A portfolio of methods and materials for gifted learners is a competency of the course. Practicum required. Prerequisite: Admission to Dixie State College Elementary Education program. 3 lecture hours per week.</td>
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ELED - 3905  Practicum course to be taken concurrently with ELED 3900.

ELED - 4100  Methods/Tchng Elem Mathematic  3.00 CR
For education majors. Methods and strategies for effective instruction in Mathematics at the elementary level. This course examines the national standards (NCTM) as well as, state core curriculum needed to develop the knowledge, skills and attitudes related to teaching mathematics in the elementary school. Lecture, seminar discussion, hands-on experiences and field experiences in local schools are the modes of instruction. Pre-service teachers are prepared to be independent and responsible for instruction in classrooms. Prerequisite: Admission to Dixie State College Elementary Education program. Practicum required. 3 lecture hours per week which include field experiences.

ELED - 4105  Methods/Tch ElemMath Practicum  0.00 CR
A practicum course to be taken concurrently with ELED 4100.

ELED - 4200  Fine Arts in Elementary  2.00 CR
For education majors. Part of the Bachelor of Science in Elementary Education. The course explores ways in which the fine arts can be used as a vehicle for exploring instruction and learning. Visual arts and music are the focus of this course. The examination of art and performance of music are key ways by which the content is taught. Class prepares inservice teachers to apply the state core curriculum in elementary settings, and to use fine arts as an instructional tool to enhance learning. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. 2 lecture hours per week.

ELED - 4300  Methods/Tchg Elem Science  3.00 CR
For education majors. Methods and strategies for effective instruction in Science at the elementary level. This course examines the elementary science core curriculum and develops knowledge, skills and attitudes related to teaching science in the elementary school. Lecture, seminar discussion, hands-on experiences and field experiences in local schools are the modes of instruction. Pre-service teachers are prepared to be independent and responsible for instruction in classrooms. Prerequisite: Admission to the Dixie State College Elementary Education program. Practicum required. 3 lecture hours per week.

ELED - 4305  Methods/Tch ElemSci Practicum  0.00 CR
A practicum course to be taken concurrently with ELED 4300.

ELED - 4400  Methods/Tchg Elem Soc Sci  3.00 CR
For education majors. Methods and strategies for effective instruction in the social studies at the elementary level. This course examines the national standards (NCSS) as well as, state core curriculum needed to develop the knowledge, skills and attitudes related to teaching social studies in the elementary school. Lecture, seminar discussion, hands-on experiences and field experiences in local schools are the modes of instruction. Pre-service teachers are prepared to be independent and responsible for instruction in classrooms. Practicum required. 3 lecture hours per week.

ELED - 4405  Methods/Tch Elem Soc Sci Pract  0.00 CR
A practicum course to be taken concurrently with ELED 4400.

ELED - 4410  Method/Strat/Mat/Lang Art ESL  3.00 CR
For education majors. This course is for the ESL Endorsement. This course will focus on instructional strategies and methodologies for the bilingual-bicultural student. It will cover teaching oral language, literacy skills, mathematics, science, social studies and the integration of culture and language. The course will include teaching in a Multicultural context for oral language development, adapting and developing lesson design materials. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. Practicum required. 4 lecture hours per week.

ELED - 4415  Method/Strat/Mat/ESL Practicum  0.00 CR
A practicum course to be taken concurrently with ELED 4410.

ELED - 4430  Family/Parent/Involmt/Educ-ESL  2.00 CR
Seminar with community outreach to meet with ESL parents, district-level personnel, and guest presenters to develop means to tie classroom practice to community resources. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. 2 lecture hours per week.
Program. 6 lecture hours per week.

Paramedic Training IEMS - 2200
This is the first course in a five-course series. The course includes lecture and laboratory training in topics such as EMS communications, winter rescue skills, rescue operations, major incident response, advanced ventilatory management, bag valve mask, mouth to mask, mouth to mouth/nose, ET insertion, EOA insertion, NPA insertion, OPA insertion, suctioning, manual maneuvers, IV therapy/sterile techniques, IV medications, and patient assessment. Prerequisite: Acceptance into Emergency Medical Services Program. 6 lecture hours per week.

Paramedic Training IIEMS - 2300
This course includes lecture and laboratory training in topics such as synchronized cardioversion, cardiac pacing, cardiac drugs, MEGA Code, ad PASS PARAMEDIC TAPE-national protocols. Prerequisite: EMS 2200, or taken concurrently and acceptance into Emergency Medical Services Program. 6 lecture hours per week.

Paramedic Training IIIEMS - 2400
This course includes lecture and laboratory training in topics such as crico thyrotomy, chest venting, external jugular cannulation, and summer rescue skills. Ride-along hours are also required. Prerequisite: EMS 2300 and acceptance into Emergency Medical Services Program. 6 lecture hours per week.

ESL learners in their respective classrooms. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. 3 lecture hours per week.

Advanced Cardiac Life Support EMS - 1300
Advanced Cardiac Life Support is a course designed by the American Heart Association to provide hospital and pre-hospital care givers training in advanced techniques of life support for the cardiovascular and respiratory compromised patient. Some of the techniques taught are: dysrhythmia recognition and treatment, respiratory compromise and treatment, and recognition of signs and symptoms of cerebral vascular accident patients and treatment. Some pre-hospital or hospital experience is required and this class is offered by instructor permission only.

Emergency Medical Training - (EMT-B)
Presents instruction in theory and practice of first aid. Provides the student with knowledge and skill necessary to meet common emergencies associated with injury and illness. Topics include CPR, bone and joint injuries, dressings and bandages, sudden illness, and emergency childbirth. 9 lecture hours per week.

EMT IntermediateEMS - 1200
This course allows Basic Emergency Medical Technicians who have been certified for a minimum of one year, to continue their training in the areas of: extended patient assessment, Intravenous (IV) initiation and therapy, medical and legal considerations, advanced shock, pediatric vascular access, drug management of selected drugs, EKG management and recognition, and oral intubation. Prerequisite: Basic EMT for one year.

EMT BasicEMS - 1100
Emergency Medical Training - (EMT-B) presents instruction in theory and practice of first aid. Provides the student with knowledge and skill necessary to meet common emergencies associated with injury and illness. Topics include CPR, bone and joint injuries, dressings and bandages, sudden illness, and emergency childbirth. 9 lecture hours per week.

ESL learners in their respective classrooms. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. 3 lecture hours per week.

For education majors. An exploration of the technology available for instruction in elementary classrooms in a variety of subject areas. Also, students will develop proficiency in presentation software, on-line search techniques, and school-based grading programs. Some course instruction will be via technology (i.e., newsgroups, email) and will require a PowerPoint presentation as an evaluation of course learning. Preservice teachers will gain a working knowledge of how to use technology as an instructional support in their elementary classrooms. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. 2 lecture hours per week.

For education majors. Methods and strategies for effective instruction in Language Arts at the elementary level. This course examines the national standards (IRA) as well as state core curriculum needed to develop the knowledge, skills and attitudes related to teaching language arts in the elementary school. Lecture, seminar discussion, and hands-on experiences are the modes of instruction. 2 lecture hours per week.

For education majors. Capstone seminar for completion of the professional portfolio. An exit interview is conducted by faculty, school district administration, and local teachers. The purpose of the capstone is to solidify the pre-service experiences, present the professional portfolio in its entirety, and to dialogue with educational professionals to plan professional development subsequent to graduation. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. Various lecture/lab hours per week.

For education majors. 10 weeks of student teaching experience in two elementary grade levels. Cooperating (mentor) teachers support students as they are given responsibility of all aspects of learning in classrooms. College faculty, in conjunction with mentor teachers, scaffold this experience via frequent conferences. Preservice teachers at the conclusion of student teaching are able to run their own classes and are eligible for state licensure. Prerequisite: Admission to Dixie State College elementary education baccalaureate program. 9 lecture hours per week.

For education majors. 10 weeks of student teaching experience in two elementary grade levels. Cooperating (mentor) teachers support students as they are given responsibility of all aspects of learning in classrooms. College faculty, in conjunction with mentor teachers, scaffold this experience via frequent conferences. Preservice teachers at the conclusion of student teaching are able to run their own classes and are eligible for state licensure. Prerequisite: Admission to Dixie State College elementary education baccalaureate program. 1 lecture hour per week.

For education majors. Infused in student teaching, pre-service candidates use previously developed methodologies to meet the needs of ESL learners in their respective classrooms. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. 3 lecture hours per week.

For education majors. This is the first course in a five-course series. The course includes lecture and laboratory training in topics such as EMS communications, winter rescue skills, rescue operations, major incident response, advanced ventilatory management, bag valve mask, mouth to mask, mouth to mouth/nose, ET insertion, EOA insertion, NPA insertion, OPA insertion, suctioning, manual maneuvers, IV therapy/sterile techniques, IV medications, and patient assessment. Prerequisite: Acceptance into Emergency Medical Services Program. 6 lecture hours per week.

For education majors. Capstone seminar for completion of the professional portfolio. An exit interview is conducted by faculty, school district administration, and local teachers. The purpose of the capstone is to solidify the pre-service experiences, present the professional portfolio in its entirety, and to dialogue with educational professionals to plan professional development subsequent to graduation. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. Various lecture/lab hours per week.

For education majors. Methods and strategies for effective instruction in Language Arts at the elementary level. This course examines the national standards (IRA) as well as state core curriculum needed to develop the knowledge, skills and attitudes related to teaching language arts in the elementary school. Lecture, seminar discussion, and hands-on experiences are the modes of instruction. 2 lecture hours per week.

For education majors. This is the first course in a five-course series. The course includes lecture and laboratory training in topics such as EMS communications, winter rescue skills, rescue operations, major incident response, advanced ventilatory management, bag valve mask, mouth to mask, mouth to mouth/nose, ET insertion, EOA insertion, NPA insertion, OPA insertion, suctioning, manual maneuvers, IV therapy/sterile techniques, IV medications, and patient assessment. Prerequisite: Acceptance into Emergency Medical Services Program. 6 lecture hours per week.

For education majors. An exploration of the technology available for instruction in elementary classrooms in a variety of subject areas. Also, students will develop proficiency in presentation software, on-line search techniques, and school-based grading programs. Some course instruction will be via technology (i.e., newsgroups, email) and will require a PowerPoint presentation as an evaluation of course learning. Preservice teachers will gain a working knowledge of how to use technology as an instructional support in their elementary classrooms. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. 2 lecture hours per week.

For education majors. Methods and strategies for effective instruction in Language Arts at the elementary level. This course examines the national standards (IRA) as well as state core curriculum needed to develop the knowledge, skills and attitudes related to teaching language arts in the elementary school. Lecture, seminar discussion, and hands-on experiences are the modes of instruction. 2 lecture hours per week.

For education majors. Capstone seminar for completion of the professional portfolio. An exit interview is conducted by faculty, school district administration, and local teachers. The purpose of the capstone is to solidify the pre-service experiences, present the professional portfolio in its entirety, and to dialogue with educational professionals to plan professional development subsequent to graduation. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. Various lecture/lab hours per week.

For education majors. 10 weeks of student teaching experience in two elementary grade levels. Cooperating (mentor) teachers support students as they are given responsibility of all aspects of learning in classrooms. College faculty, in conjunction with mentor teachers, scaffold this experience via frequent conferences. Preservice teachers at the conclusion of student teaching are able to run their own classes and are eligible for state licensure. Prerequisite: Admission to Dixie State College elementary education baccalaureate program. 9 lecture hours per week.

For education majors. 10 weeks of student teaching experience in two elementary grade levels. Cooperating (mentor) teachers support students as they are given responsibility of all aspects of learning in classrooms. College faculty, in conjunction with mentor teachers, scaffold this experience via frequent conferences. Preservice teachers at the conclusion of student teaching are able to run their own classes and are eligible for state licensure. Prerequisite: Admission to Dixie State College elementary education baccalaureate program. 1 lecture hour per week.

For education majors. Capstone seminar for completion of the professional portfolio. An exit interview is conducted by faculty, school district administration, and local teachers. The purpose of the capstone is to solidify the pre-service experiences, present the professional portfolio in its entirety, and to dialogue with educational professionals to plan professional development subsequent to graduation. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. Various lecture/lab hours per week.

For education majors. Methods and strategies for effective instruction in Language Arts at the elementary level. This course examines the national standards (IRA) as well as state core curriculum needed to develop the knowledge, skills and attitudes related to teaching language arts in the elementary school. Lecture, seminar discussion, and hands-on experiences are the modes of instruction. 2 lecture hours per week.

For education majors. An exploration of the technology available for instruction in elementary classrooms in a variety of subject areas. Also, students will develop proficiency in presentation software, on-line search techniques, and school-based grading programs. Some course instruction will be via technology (i.e., newsgroups, email) and will require a PowerPoint presentation as an evaluation of course learning. Preservice teachers will gain a working knowledge of how to use technology as an instructional support in their elementary classrooms. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. 2 lecture hours per week.

For education majors. Methods and strategies for effective instruction in Language Arts at the elementary level. This course examines the national standards (IRA) as well as state core curriculum needed to develop the knowledge, skills and attitudes related to teaching language arts in the elementary school. Lecture, seminar discussion, and hands-on experiences are the modes of instruction. 2 lecture hours per week.

For education majors. Capstone seminar for completion of the professional portfolio. An exit interview is conducted by faculty, school district administration, and local teachers. The purpose of the capstone is to solidify the pre-service experiences, present the professional portfolio in its entirety, and to dialogue with educational professionals to plan professional development subsequent to graduation. Prerequisite: Admission to Dixie State College Elementary Education baccalaureate program. Various lecture/lab hours per week.

For education majors. 10 weeks of student teaching experience in two elementary grade levels. Cooperating (mentor) teachers support students as they are given responsibility of all aspects of learning in classrooms. College faculty, in conjunction with mentor teachers, scaffold this experience via frequent conferences. Preservice teachers at the conclusion of student teaching are able to run their own classes and are eligible for state licensure. Prerequisite: Admission to Dixie State College elementary education baccalaureate program. 9 lecture hours per week.

For education majors. 10 weeks of student teaching experience in two elementary grade levels. Cooperating (mentor) teachers support students as they are given responsibility of all aspects of learning in classrooms. College faculty, in conjunction with mentor teachers, scaffold this experience via frequent conferences. Preservice teachers at the conclusion of student teaching are able to run their own classes and are eligible for state licensure. Prerequisite: Admission to Dixie State College elementary education baccalaureate program. 1 lecture hour per week.
ENGL 1470  Basic Reading  
3.00 CR
This course is designed to assist students in the development of reading skills that will enhance their opportunities for success in college, at work, and in life in general. The focus of instruction is on vocabulary development, comprehension, and reading speed. The course will combine group, semi-independent, and individualized instruction in an effort to meet the needs of each student. At the conclusion of instruction, students will be expected to read at a minimum of 175 words per minute with 70% or better comprehension, and consistently read introductory level college materials with at least 80% comprehension. Students completing this course are strongly advised to enroll in English 1470, Critical Reading. 4 lecture hours per week.

ENGL 0990  Beginning Writing  
3.00 CR
For students whose test entrance exam score is 18 or lower. This course teaches the basics of paragraph and essay organization and development, as well as critical thinking, while preparing students to enter English 1010. Assignments, activities and tests relate to writing and critical reading skills. Successful students will be able to write structured, developed and coherent paragraphs and essays which are relatively free of mechanical errors. They will also edit and proofread their work, as well as analyze the work of others in small and large groups. Students with entrance scores of 15 or lower will be required to enroll in an English lab (ENGL 0995). Prerequisite: Entrance exam of 18 or lower. 3 lecture hours per week.

ENGL 0995  Beg Writing Lab  
1.00 CR
A lab course, focused on grammar and punctuation, to be taken concurrently with ENGL 0990. Required for students with an entrance exam score in English of 15 or lower and encouraged for other ENGL 0990 students. Additional text required. Lab fee required. 2 lab hours per week.

ENGL 1001  Orientation/English Major  
2.00 CR
English 1001 is designed to help entering students make a smooth transition into college life. Students will complete placement and assessment activities, choose a major emphasis (either literary studies or professional and technical writing), develop a degree plan, brush up on study skills, understand campus support systems, plan for their senior capstone course, participate in seminars, attend designated arts events, observe in the Writing Center, and submit written reports of their activities. This course is recommended for all freshman English majors. 2 lecture hours per week.

ENGL 1010  Intro to Writing *EN  
3.00 CR
Required of all students. The objective of this course is to improve students' abilities to read, analyze, and write expository papers. Satisfies one of the composition requirements for AA/AS/AAS degrees. Provides opportunities to write and revise a number of essays. Activities, library research, portfolios, writing to a style guide, and tests may also be used to prepare students to write college level papers. Prerequisite: LIB 1010 (can be taken concurrently); English placement score of 19 (ACT writing score or equivalent) or a grade of C or better in ENGL 0990 (and 0991 if taken); and reading placement score of 17 (ACT reading score or equivalent) or a grade of C or better in ENGL 1470. 3 lecture hours per week.

ENGL 1410  Elements of Grammar  
3.00 CR
Required of English majors and recommended for other students interested in improving their knowledge of basic English grammar. This course engages students in the study of English grammar to facilitate writing, editing, and an understanding of the relationship between language, formal rules, and meaning. The course will focus on the study of sentence structure, the terminology and definitions of traditional grammar, and the conventions of usage and punctuation. Students will analyze written examples, diagram sentences, edit written work, and practice constructing original sentences according to the principles outline. 3 lecture hours per week.

ENGL 1470  Critical Reading  
3.00 CR
For all students wanting to improve their reading skills and further enhance their opportunities for success in college. This course is strongly recommended for students planning to transfer to a four-year institution and seek higher degrees. The main focus of instruction will be on higher-level comprehension with minor emphasis on vocabulary development and reading speed. This is a lecture/lab course with both group and independent instructional activities required. Upon completion of the course, successful students will be able to apply critical and analytical reading skills to comprehend and evaluate sophisticated and complex reading materials. Prerequisite: Placement score of over 12, or must have successfully completed ENGL 0470. 4 lecture hours per week.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>CR Credits</th>
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<tbody>
<tr>
<td>ENGL - 1520</td>
<td>Speed Reading</td>
<td>2.00</td>
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<td>For any students wishing to increase their reading speed while maintaining high levels of comprehension on a wide range of materials. This class teaches the mechanics of speed reading and strategies for improving comprehension with an emphasis on speed-study techniques. Speed reading is a lecture/lab course with both group and independent activities required. Upon completion of the course, successful students will experience at least a 50% increase in their reading speed with 70% or better comprehension. Prerequisite: ENGL 0470, a placement score of 12 or higher, or a successful challenge test given through the Testing Center. 3 lecture hours per week.</td>
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<tr>
<td>ENGL - 2010</td>
<td>Intm Wrtg: Selected Topics *EN</td>
<td>3.00</td>
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<td>Required of all students with an interest in improving their abilities to analyze and write academic papers, including the research-supported essay. Completes the composition requirement for AA/AS degrees. Provides opportunities to write and revise a number of essays. Activities, portfolios, library research, and tests may also be used to help students improve their writing of advanced-level papers. Successful students will demonstrate competence in the use of standard written English, in analyzing texts, in correctly paraphrasing, summarizing and quoting source material, and in appropriately citing the work of others. Prerequisite: &quot;C&quot; or higher in English 1010 and LIB 1010 (can be concurrently enrolled). 3 lecture hours per week.</td>
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<tr>
<td>ENGL - 2100</td>
<td>Technical Writing</td>
<td>3.00</td>
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<td>For students in the science and technical disciplines who would like to increase their proficiency in writing. This course provides students with opportunities to develop skills useful in professional, workplace settings. The course introduces students to technical formats, brevity and clarity strategies, and visual elements such as headings, lists and graphics. Prerequisite: ENGL 1010 with a grade of C or higher. 3 lecture hours per week.</td>
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<tr>
<td>ENGL - 2130</td>
<td>Intro to SciFi &amp; Futurism *HU</td>
<td>3.00</td>
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<td>For students in all disciplines with an interest in the literature of science fiction and futurism. This course fulfills a literature requirement in the general education humanities section. Sharpens students' literary skills, enhances self-knowledge, and increases understanding of the literature of the genre. Helps students to see how science and technology have shaped the modern world and how they may transform the future. The course covers classic and contemporary science fiction novels and uses class discussions and guest lecturers. 3 lecture hours per week.</td>
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<tr>
<td>ENGL - 2140</td>
<td>Creative Writing</td>
<td>3.00</td>
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<td>For students in all disciplines with an interest in developing expressive skills through the writing of poetry, short stories, and dramatic presentations on stage and in film. Increases students' understanding of literature, other people, and their own ideas and feelings. Uses class discussions, guest lecturers, and an optional writing lab. Successful students will master material which includes figurative language, alliteration, assonance, rhythm in poetry and prose, dialogue, plot, setting, theme, and the critical vocabulary of the genres mentioned above. 3 lecture hours per week.</td>
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<tr>
<td>ENGL - 2200</td>
<td>Intro to Literature *HU</td>
<td>3.00</td>
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<td>For students in all disciplines who would like to increase their enjoyment of literature. This course fulfills a literature requirement in the general education section. The course provides students with a basic understanding of novels, short stories, poems, plays, and essays. Students will learn to read analytically and write critically. 3 lecture hours per week.</td>
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<tr>
<td>ENGL - 2230</td>
<td>Intro to Mythology *HU</td>
<td>3.00</td>
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<td>For students in all disciplines with an interest in the myths of the Greeks, Romans, Vikings, and Celts. This course fulfills a literature requirement in the general education humanities section. The course provides students with a brief look at the historical backgrounds of the above peoples and their myths and some of the ways in which myths have been used in literature from Homer to contemporary fantasy and science fiction. Includes lectures, class discussions, and films. 3 lecture hours per week.</td>
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<tr>
<td>ENGL - 2270</td>
<td>Intro/World Literature I *HU</td>
<td>3.00</td>
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<td>Appropriate for students in all disciplines with an interest in improving their enjoyment of world literature. This course fulfills a literature requirement in the general education section. The course will introduce students to representative masterpieces from ancient, medieval, and Renaissance literature. Students will survey a variety of literature, from writers such as Homer, Sophocles, Virgil, Li Po, Dante, Machiavelli and Shakespeare as well as selections from literary masterpieces such as Gilgamesh, the Bible, the Bhagavad-Gita, the Koran, and The Thousand and One Nights. The course will engage students with common practices in reading, interpreting and writing about literature, and it will address questions of literary form and genre, the relationship between literary works and the cultures that produce them, and how and why we read. 3 lecture hours per week.</td>
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<tr>
<td>ENGL - 2280</td>
<td>Intro/World Literature II *HU</td>
<td>3.00</td>
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<td>Appropriate for students in all disciplines with an interest in improving their enjoyment of world literature. This course fulfills a literature requirement in the general education section. The course will introduce students to representative literary masterpieces from the eighteenth century to the present. Students will survey a variety of literature from writers around the globe. The course will engage students with common practices in reading, interpreting and writing about literature, and it will address questions of literary form and genre, the relationship between literary works and the cultures that produce them, and how and why we read. 3 lecture hours per week.</td>
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<tr>
<td>ENGL - 2330</td>
<td>Children's Literature *HU</td>
<td>3.00</td>
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<td>For all students who love children and reading or who have an interest in elementary education, child development, or parenthood. Teaches the historical development of children's literature; examines literary elements, such as characterization, plot, and style; focuses on a broad spectrum of literary genre in children's literature, such as realistic fiction, picture books, poetry, and informational books; and acquaints students with major authors and illustrators of children's literature, past and present. Students will create a personal card file of all books and stories read, in addition to tests, quizzes, and papers on the text book readings. Satisfies general education literature requirement in the humanities section as well as program requirements in some elementary education programs. 3 lecture hours per week.</td>
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ENGL - 2400  Intro to American Lit I *HU  3.00 CR
(Colonial Period to the American Renaissance) This course will introduce students to some of the major writers and works in American literature. Students will survey a variety of literature, from the sermons and poetry of the early Puritans to the seminal essays, poetry and fiction of the American Renaissance. The course will introduce students to common practices in reading, interpreting and writing about literature, and it will address questions of literary form and genre, the relationship between literary works and the cultures that produce them, and how and why we read. 3 lecture hours per week.

ENGL - 2410  Intro to American Lit II *HU  3.00 CR
(Civil War to the Present) This course will introduce students to some of the major writers and works in American literature. Students will survey a variety of literature, from the novels and short stories of the realists, to the influential works of the modernists, to the postmodernists and other contemporary writers. The course will engage students with common practices in reading, interpreting and writing about literature, and it will address questions of literary form and genre, the relationship between literary works and the cultures that produce them, and how and why we read. 3 lecture hours per week.

ENGL - 2500  Intro to British Lit I *HU  3.00 CR
(Anglo-Saxon to the 18th Century.) This course will introduce students to some of the major writers of the British Isles through careful study of a variety of literary works from the Anglo-Saxon period through the 18th century. The course will engage students with common practices in reading, interpreting and writing about literature, and it will address questions of literary form and genre, the relationship between literary works and the cultures that produce them, and how and why we read. 3 lecture hours per week.

ENGL - 2510  Intro to British Lit II *HU  3.00 CR
This course will introduce students to some of the major writers of the British Isles through careful study of a variety of literary works from the Romantic period to the present. The course will engage students with common practices in reading, interpreting and writing about literature, and it will address questions of literary form and genre, the relationship between literary works and the cultures that produce them, and how and why we read. 3 lecture hours per week.

ENGL - 2600  Critical Intro to Lit *HU  3.00 CR
For students in all disciplines, but required for English majors who want a bachelor's degree from a Utah school. Introduces literary appreciation. Teaches criticism and terminology as applied to various types of literature, including fiction, poetry, and drama. Requires critical analysis of prose, poetry, and drama. Acquaints students with basic literary terminology, provides a brief survey of pertinent literary theories, and surveys pivotal critical texts. Students respond to texts to understand how meaning is created through transactions among writings, readers and cultures. 3 lecture hours per week.

ENGL - 2790  Writing Center Tutoring  2.00 CR
For all students interested in learning how to tutor writing for either personal satisfaction or professional needs. Required for tutors in the College's Writing Center. This course will cover a variety of writing specific topics, such as grammar, organization, rhetorical invention, revision strategies, and the writing process in general. It will also cover principles of tutoring, including using the Socratic method of teaching, tutoring to various learning styles, and dealing with writer's anxiety, as well as the use of computers while tutoring. Students who complete the course will be able to diagnose writing problems, provide instruction, and interpret course assignments. 2 lecture hours per week.

ENGL - 2791  Writing Center Tutoring  1.00 CR
A second course for all students interested in learning how to tutor writing for either personal satisfaction or professional needs. Required for tutors in the College's writing center. This course will cover a variety of writing specific topics like grammar, organization, rhetorical invention, revision strategies, and the writing process in general. It will also cover principles of tutoring like, using the Socratic method of teaching, tutoring to various learning styles, and dealing with writer's anxiety, as well as the use of computers while tutoring. Students who complete the course will be able to diagnose writing problems, provide instruction and practice, and interpret course assignments. 1 lecture hour per week.

ENGL - 2890  Spec Proj/The Southern Quill  1.00 - 3.00 CR
For students in all disciplines who wish to work with the "Southern Quill," Dixie College's literary magazine, and who want to pursue projects in creative writing such as poetry, short stories, plays, and essays. Students must attend weekly "Southern Quill" meetings (see instructor for day and time) and produce works in the genre(s) of their choice. Available for one, two, or three credits. Prerequisite: Instructor Permission.

ENGL - 2990  Seminar in English  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

ENGL - 3010  Writing in the Professions  3.00 CR
This course is for students who have been accepted into a baccalaureate program at Dixie State College of Utah. If enrollments permit, students who need business writing for transfer purposes and other interested students may also register for English 3010. Learning from business communication theory and through practical application, students will be able to effectively recognize and model diverse professional writing styles by analyzing various business audiences, writing purposes, and documents (including extensive formal research reports). Students will also learn about matters of business ethics, international business, and the Internet's impact on business communication. Prerequisite: ENGL 20 and acceptance into baccalaureate program or departmental consent. 3 lecture hours per week.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL - 3030</td>
<td>Advanced College Writing</td>
<td>3.00 CR</td>
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<tr>
<td>ENGL - 3120</td>
<td>Document Design</td>
<td>3.00 CR</td>
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<tr>
<td>ENGL - 3130</td>
<td>Grant and Proposal Writing</td>
<td>3.00 CR</td>
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<tr>
<td>ENGL - 3180</td>
<td>Writing for Interactive Media</td>
<td>3.00 CR</td>
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<tr>
<td>ENGL - 3201</td>
<td>Genre Studies: Folklore</td>
<td>3.00 CR</td>
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<tr>
<td>ENGL - 3202</td>
<td>Genre Studies: Poetry</td>
<td>3.00 CR</td>
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<tr>
<td>ENGL - 3203</td>
<td>Genre Studies: Novels</td>
<td>3.00 CR</td>
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<tr>
<td>ENGL - 3211</td>
<td>Period Studies: Victorian Lit</td>
<td>3.00 CR</td>
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<tr>
<td>ENGL - 3212</td>
<td>Crime Fiction &amp; Film Noir</td>
<td>3.00 CR</td>
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<tr>
<td>ENGL - 3213</td>
<td>Per/Top Studies: Western Am Li</td>
<td>3.00 CR</td>
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This is an upper division composition course intended for English majors and for students who wish to expand and deepen their skills in critical reading, critical thinking and integrated analysis within a variety of rhetorical contexts. The students will be asked to write several persuasive, argumentative and expository essays. Learning from rhetorical theory and through practical application, students will be able to effectively recognize and model diverse writing styles by analyzing various audiences, writing purposes, and documents. Prerequisite: English 2010 (with an earned grade of C or better). 3 lecture hours per week.

Required of English majors pursuing an emphasis in Professional & Technical Writing, and open to students who wish to create effective professional documents for the workplace. Successful students will demonstrate competence in all aspects of document design, including (but not limited to) the following: overall organization and layout; usability theory, application and testing; data organization and display; visual rhetoric (the use of color, size and white space); and theories of writer-based and reader-based writing. Students will also examine existing research on how different readers process information in different ways. In order to apply the knowledge learned in class, students will write their own technical documents, for both print and online contexts. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

Required of English majors emphasizing Professional and Technical Writing, and open to students who want to learn about grant and proposal writing. Students in this course will focus on techniques for writing effective grants and proposals, learning about the processes that lead to successful grant and proposal writing, generating and focusing on an idea, writing in a variety of formats, and providing supporting information. Successful students in this class will demonstrate they understand the qualities of an effective proposal through their critiques of funded and non-funded proposals and by writing a proposal. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

Required of English majors pursuing an emphasis in Professional & Technical Writing, and open to other interested students. Explores writing and editing for news, audio, and interactive media--how to choose appropriate format and delivery mechanisms for news, Web sites, kiosks, and CD/DVD, etc. Topics include accessibility, copyright law and information ethics. Students will understand differences in writing for linear and non-linear media; develop an audience-focused, communication-oriented approach to writing; and create text-based documents that communicate effectively across different media. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

Required of all English majors pursuing the Literary Studies emphasis, and for other interested students. Provides students with an understanding of folklore as a genre, as well as folk themes and motifs in other forms of literature. Toward that aim, the course focuses on folklore in novels and stories and on folk narratives themselves. Designed to introduce students to methods and practices of folklore field research and folklore criticism. The course is also designed to expand the student's critical reading and writing skills. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

Required of all English majors pursuing the Literary Studies emphasis, and for other interested students. This course covers the rudiments of poetic expression—including word choice, syntax, figuration, rhythm and meter, lineation, sound, imagery, and form—as it engages students with representative examples of poetry from the western and world traditions. Through close readings and analysis, students learn to appreciate the artistic value of language and to produce competent and convincing interpretations of poetry. The course also covers various theoretical and critical perspectives as they influence the reading of poetry. Prerequisite: ENGL 2010 with a grade of C or higher. 3 lecture hours per week.

Required of all English majors pursuing an emphasis in Literary Studies, and recommended for others interested in literature. Students will explore in depth aspects of the novel, such as plot, theme, character, setting, etc. Novels will be selected according to time, place, period, or theme. Students will be introduced to research and criticism as well as to the texts themselves. The course is also designed to expand the student's critical reading and writing skills. Students will write several critical assignments and conduct a major research project. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

Required of all English majors, and for other students interested in improving their enjoyment of British Victorian literature, including the historical and cultural contexts of the period. Students will engage with the work and ideas of major writers of the period, such as Browning, Tennyson, Arnold, Swinburne, Dickens, Thackeray, Carlyle, and Ruskin. The class requires students to read and respond to a number of key readings, participate in small-group and class discussions, produce a substantial critical paper, and complete both a mid-term and final exam. Successful students will demonstrate skill in reading different types of literature; in understanding narrative and figurative devices in using a variety of critical perspectives based on literary theory; and in sharing what they understand through both written and oral discussion. The course provides opportunities for developing greater skill in the critical reading and appreciation of literature. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

For students in all disciplines who wish to learn about the "hard boiled" school of detective fiction and the influence it has had upon American cinema. This course fulfills a requirement in the English major. The course will introduce students to the themes, motifs and other narrative elements that distinguish the novels of Depression-era crime writers like Dashiell Hammett, James M. Cain, and Raymond Chandler. Students will analyze cinematic adaptations of these authors' works, especially those which have been cited by critics as examples of film noir. Course includes texts, film screenings, standard lectures, class discussions, writing assignments, and exams. Prerequisite: ENGL 2010 with a grade of C or higher. 3 lecture hours per week.

Required of English majors pursuing an emphasis in Literary Studies, and recommended for others interested in literature. Students will explore significant works of twentieth-century Western American literature. Specific topics and approaches may vary according to instructor expertise. Students will write several critical assignments and conduct a major research project. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.
ENGL - 3220  Multi-Ethnic Am Literature  3.00 CR
Required of all English majors, and for other interested students. The course examines multi-ethnic literature by American authors and studies the contributions to American literature by African-Americans, Asian-Americans, Latinos and Native Americans. It focuses on novels, short stories, essays, and poetry that examine the social construction of race in American society, the construction of American identity, and the intersections of race, class, and gender. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

ENGL - 3230  Literature and Culture  3.00 CR
Required of English majors pursuing an emphasis in Literary Studies, and recommended for others curious about the relationship between the literary arts and other cultural forms. This is an interdisciplinary course that will introduce students to a broad selection of American literary, cinematic, artistic, and cultural works that investigate the relationship between American culture and literature. Students will be introduced to the ways in which texts and artifacts are closely tied to the geographical and cultural space as well as the historical period in which they emerge. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

ENGL - 3260  Major American Authors  3.00 CR
Required of English majors pursuing an emphasis in Literary Studies, and recommended for others interested in literature. Students will explore in depth the works of a major writer or group of writers. Topics and time periods vary among American authors according to instructor expertise and might include, for example, Jefferson, Douglass, Melville, Dickinson, Cather, Hemingway, Silko, or Morrison, among others. The course will emphasize the dynamic interplay among the aesthetics of the text(s), the author’s life, and the socio-political context in which the works are produced. Students will be expected to read extensive amounts of work from these authors. Students will write several critical assignments and conduct a major research project. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

ENGL - 3262  Major Authors: Maj African Am  3.00 CR
Required of English majors pursuing an emphasis in Literary Studies, and recommended for others interested in literature. Students will explore in depth the works of a major African American writer or a group of major African American writers. Topics and time periods may vary according to instructor expertise. The course will emphasize the dynamic interplay among the aesthetics of the text(s), the authors’ lives, and the socio-political context in which the works are produced. Students will be expected to read extensive amounts of work from these authors. Students will write several critical assignments and conduct a major research project. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

ENGL - 3340  Rhetoric of Science  3.00 CR
Required of English majors pursuing an emphasis in Professional & Technical Writing, and open to students interested in examining rhetoric within the professional sciences. This course focuses on rhetorical principles that influence writing in scientific professions. Students will study the writings of influential scientists-rhetoricians. Successful students in this course will demonstrate through theory and application an understanding of these principles through theses types of scientific writing: environmental impact statements, the scientific report, and articles from contemporary scientific journals. Students also will examine current controversies in scientific debate. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

ENGL - 3350  Writing/Professional Contexts  3.00 CR
Required of English majors pursuing an emphasis in Professional & Technical Writing, and open to students interested in examining writing in complex corporate contexts. Introduces students to the study of written communication in complex human organizations. Course relates written communication to values, leadership and power in such organizational contexts as media, business, professional, social, educational, and political groups. Successful students will be able to understand how writing functions in basic types of organizations, critique the effectiveness of written organizational communication practices, and develop their own writing skills. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

ENGL - 3360  Writing/Magazine/Trade Jrnls  3.00 CR
Required of English majors pursuing an emphasis in Professional and Technical Writing, and open to students interested in this type of writing. Students who complete this course will be able to understand the development of the magazine market and the current landscape of magazine publishing: generate ideas, pitch stories, research, report and write articles suitable for publication in a magazine, and initiate and complete the feature or long-form article for magazines or other markets. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

ENGL - 3400  World Literature  3.00 CR
Required of English majors pursing an emphasis in Literary Studies, but also open to those interested in international literature. Students will examine works by major authors in various genres from Asia, the Middle East, the Indian subcontinent, Africa, the Caribbean, Australia, Latin America, and Europe. Thus, the class enable students to appreciate culture and literary traditions beyond those of Britain and the United States. Course topics will vary according to instructor emphasis. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

ENGL - 3510  Shakespeare  3.00 CR
Required of all English majors pursuing the Literary Studies emphasis, and for other interested students. Students can expect to do close readings of at least six plays and to study such secondary materials as literary criticism, historical background, and film and theatrical representations of the plays. As perhaps the single most important cultural icon in our society, Shakespeare also offers an excellent opportunity to look at the nature of literary reputations, national competitiveness in cultures, and the shifting map of such issues over time. Students will learn to incorporate these materials into their own class discussions and will also produce papers that reflect their new knowledge. Additional class evaluation will come through tests. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

ENGL - 3520  Young Adult Literature  3.00 CR
Required of English majors pursuing secondary certification, and recommended for others interested in literature. Students will explore in depth contemporary adolescent literature, including content, structure, diversity issues, and critical evaluation. The course is also designed to provide strategies for teaching young adult readers. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.
ENGL - 3600  Literary Theory  3.00 CR
Required of English majors pursuing an emphasis in Literary Studies. The course covers the major branches of contemporary literary theory. Theoretical perspectives will include structuralism, reader-oriented theory, feminist theory, new historicist and materialist critique, post-colonialist critique, and deconstruction. Topics may also include foundational problems such as canonicity, class, consumerism, gender, ideology, race, sexuality, and textuality. Prerequisites: ENGL 2010 (with a grade of C or better) and ENGL 2600. 3 lecture hours per week.

ENGL - 3720  Editing  3.00 CR
Required of English majors pursuing an emphasis in Professional and Technical Writing, and open to students interested in editing. Students learn to work productively with other people's print and online documents, using specialized vocabulary and such editing tools and proofreaders' marks, style guides, and standard editorial reference material. Also, students practice how to identify and correct common problems. Includes copy editing, the study of style manuals, and an overview of the production process. Prerequisite: ENGL 2010 with a grade of C or better. 3 lecture hours per week.

ENGL - 3810  Hist/Structure/English Lang  3.00 CR
Required of English majors and recommended for other students interested in the ways English has developed over time. This course will explore the origins and evolution of the English language by focusing on social, political, and linguistic developments over time. The course will follow these developments through the Old, Middle and Early Modern periods and into the present. Prerequisite: ENGL 2010 (with a grade of C or better). 3 lecture hours per week.

ENGL - 4100  Senior Portfolio  3.00 CR
A comprehensive writing capstone course in aviation management that asks students to synthesize and reflect on their learning and experiences within the major. Students will construct a compilation of their prior portfolio assignments and build their own employment portfolio. Job search skills, proper interviewing techniques, and resume writing skills will also be covered. 3 lecture hours per week.

ENGL - 4500  Methods of Teaching Writing  3.00 CR
Required of English majors pursuing secondary certification, and recommended for others interested in teaching writing to young adult learners. Students will learn how to design and assess writing assignments. They will also explore different pedagogical strategies and theoretical concepts about writing instruction. 3 lecture hours per week.

ENGL - 4510  Methods of Teaching Literature  3.00 CR
Required of English majors pursuing secondary certification, and recommended for others interested in teaching literature to young adult learners. Students will learn how to teach a variety of literary genres from diverse writers. They will also explore different pedagogical strategies and theoretical approaches to literature instruction. Prerequisite: English 2010 with a grade of C or better. 3 lecture hours per week.

ENGL - 4890  English Internship  1.00 - 3.00 CR
For students who are granted and accept an internship that provides an extensive learning experience in the field of English. Internships offer students the opportunity to work with government, a nonprofit agency, a private agency, an employer, or an instructor. Through arrangements with the department chair, a student may earn up to 3 credits per semester for satisfactory completion of terms of the internship. Students must be supervised by an agency representative and/or a faculty advisor. Written contracts must be completed and signed. Students are also required to submit a written evaluation of their experience before the end of the semester. Prerequisite: Junior or Senior standing and permission from English department chair and faculty advisor. (Note: May be repeated for up to 6 credits.)

ENGL - 4900  Senior Capstone  3.00 CR
Required of all English majors. Must be taken in the student's senior year, preferably during the final semester. Asks students to synthesize and reflect on their learning and experience in the major, allowing them to integrate their study of literature, writing, and theory as well as examine the discipline of English itself. Also, asks students to look forward to careers and/or graduate school, and may include guest speakers, previous English majors, and others who discuss career and graduate school options. Includes a series of culminating assessment projects, including a senior thesis, aimed at measuring student outcomes and at assisting the department to improve its program. 3 lecture hours per week.

ENGR - 1000  Intro to Engineering  2.00 CR
This course is designed for the student who is considering an engineering career. Introduces the students to the various fields of engineering and the nature and challenges of the engineering profession. The educational requirements of various fields will be explored. History, ethics, engineering method will also be discussed. Some computer software used by engineers will be introduced. Course includes lecture from both the instructor and guest lecturers, assignments, quizzes, and tests. Successful completion of the course should enable the student to know more about engineering and the functions and career paths for various branches of engineering. 2 lecture hours per week.

ENGR - 2010  Statics  3.00 CR
This course is designed for the second year engineering student. Deals with the equilibrium of bodies, that is, those that are either at rest or move with a constant velocity. This includes properties of vectors as they apply to force systems, including trusses, frames and machines. Applications of friction, forces in beams and cables will be discussed. Course includes lecture, homework assignments, quizzes, and tests. Successful completion of the course should ensure students can continue into Dynamics. Prerequisites: MATH 1210 and concurrent enrollment in MATH 1220. 3 lecture hours per week.
This course is designed for the second year engineering student. This class deals with the kinematics of a particle both rectilinear and curvilinear motion. Kinetics of a particle including force and acceleration and Newton's laws of motion will be discussed. Planar kinematics and kinetics of a rigid body will be covered. Course includes lecture, assignments, quizzes, and tests. Successful completion of the course should give students the ability to continue with engineering classes at a four-year institution. Prerequisite: ENGR 2010. 3 lecture hours per week.

**Strength of Materials**  
This course is designed for the second-year engineering student. Introduces the internal effects (stress, strain, elastic and inelastic behavior, shear and bending movement) of loads (axial, torsion, and bending) on engineering systems. Prerequisite: ENGR 2010. 3 lecture hours per week.

**Electrical Circuits**  
An introductory course designed for students in pre-engineering which presents the basic concepts of electric circuit theory. Curriculum concepts focus on circuit theory and include voltage, current, power, resistance, capacitance and inductance. Circuit analysis techniques are taught that include Kirchoff's Laws, node voltages, and mesh currents for direct and alternating current. Circuits discussed include first and second order inductive and capacitive, phasors, operational amplifiers, and timing. Prerequisite: MATH 1220 and concurrent enrollment in MATH 2280. 3 lecture hours per week.

**Electrical Circuits Lab**  
An introductory laboratory course for students in pre-engineering that discusses electrical circuit measurements and analysis methods. Several laboratories will introduce the student to instrumentation important to the understanding of electrical circuit analysis and the safety required with the use of instrumentation. Several different circuits will be analyzed including LC and RC circuits, resistive networks, operational amplifiers, and AC circuits. Basic circuit design and analysis techniques will be presented using PSPLICE software. Prerequisite: MATH 1220. 2 lab hours per week.

**Engineering Thermodynamics**  
Fundamentals of thermal energy and work; thermodynamic properties of fluids and equations of state; open and closed systems; first and second laws of thermodynamics; applications to thermal and mechanical processes. Prerequisites: MATH 1220 and concurrent enrollment in MATH 2210. 3 lecture hours per week.

**Seminar in Engineering**  
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor Permission.

**Basic Listening/Conversation**  
This course is designed for students whose native language is other than English. It introduces concepts of pronunciation, intonation, stress, and English phonics. Explores uses of simple statements, questions, and commands. It will introduce students to short academic lectures, note-taking, and vocabulary development. Students will practice listening and speaking with other students, the instructor, and interactive software and recording equipment. Prerequisite: TOEFL placement score of 133-146. 2 lecture and 2 lab hours per week.

**Basic ESOL Skills: Workplace**  
This course is designed to help ESOL students learn and practice workplace skills like how to obtain employment, maintain employment, pursue career advancement, and use applied technology at the basic level. Prerequisite: TOEFL placement score of 133-146. 1 lecture hour per week.

**Basic ESOL Skills: Academic**  
This course is designed to help ESOL students develop basic academic skills like notetaking, listening to lectures and oral instructions, interpreting written instructions, test taking, dictionary skills, seeking help from tutors and instructors, using the library, and other appropriate academic skills as needed. Prerequisite: TOEFL placement score of 133-146. 1 lecture hour per week.

**Basic ESOL Skills: Life**  
This course is designed to help ESOL students develop life skills they may need to actively participate in United States culture while they are attending college. Topics may include, but are not limited to, the following: interpersonal communication, telephone communication, time and money, health and nutrition, safety and security, consumer education, government and community, and transportation and travel. Prerequisite: TOEFL placement score of 133-146. 1 lecture hour per week.
This course is designed to give students the opportunity to develop reading skills in English. Students will study beginning vocabulary, work attack skills, dictionary skills, and comprehension skills. Students will read works which are academic and non-academic in nature and develop strategies for approaching different types of reading. Prerequisite: TOEFL placement score of 133-146. 3 lecture and 2 lab hours per week.

ESOL - 0350  Basic Writing  3.00 CR
This course is designed to help ESOL students gain gasic skills in writing English. It will help students develop coherency and fluency in writing by focusing on short writing assignments, responses to readings, vocabulary development, style and development, and technical accuracy. Prerequisite: TOEFL placement score of 133-146. 3 lecture hours per week.

ESOL - 0360  Basic Grammar  2.00 CR
This course is designed to help ESOL students develop basic skills in English usage, correct speech and writing forms and patterns, basic verb tenses and their related structures, and simple use of parts of speech. The course will focus on Standard American English usage and conventions. Prerequisite: TOEFL placement score of 133-146. 2 lecture hours per week.

ESOL - 0400  Interm Listening/Conversation  3.00 CR
This course is designed to help ESOL students further develop listening and conversation skills. This course will expand on the use of simple statements, questions, and commands on familiar topics as well as academic lectures and conversations. Students will listen to short lectures, take notes, and discuss. Students will work with the instructor, small groups, or with technology to practice the skills presented in this course. Prerequisite: TOEFL placement score of 147-159. 2 lecture and 2 lab hours per week.

ESOL - 0410  Interm ESOL Skills: Workplace  1.00 CR
This course is designed to help ESOL students further develop and practice workplace skills like how to obtain employment, maintain employment, pursue career advancement, and use applied technology at an intermediate level. Prerequisite: TOEFL placement score of 147-159. 1 lecture hour per week.

ESOL - 0420  Interm ESOL Skills: Academic  1.00 CR
This course is designed to help ESOL students further develop academic skills like notetaking, listening to lectures and oral instructions, interpreting written instructions, test taking, dictionary skills, seeking help from tutors and instructors, using the library, and other appropriate academic skills as needed. Prerequisite: TOEFL placement score of 147-159. 1 lecture hour per week.

ESOL - 0430  Interm ESOL Skills: Life  1.00 CR
This course is designed to help ESOL students further develop life skills they may need to actively participate in United States culture while they are attending college. Topics may include, but are not limited to, the following: interpersonal communication, telephone communication, time and money, health and nutrition, safety and security, consumer education, government and community, and transportation and travel. Prerequisite: TOEFL placement score of 147-159. 1 lecture hour per week.

ESOL - 0500  Interm Reading  4.00 CR
This course focuses on the continued development of reading skills within academic content areas. Students use a variety of methods and materials to learn intermediate reading strategies and to improve comprehension. It expands students' vocabularies, improves dictionary skills, and increases skills in reading for information. The course will focus on the skills students need to be successful in college-level reading intensive courses as well as the skills needed to read for entertainment and general information. Prerequisite: TOEFL placement score of 147-159. 3 lecture and 2 lab hours per week.

ESOL - 0550  Interm Writing  3.00 CR
This course is designed to help ESOL students gain intermediate skills in writing English. This course will focus on writing well-developed short academic paragraphs with sentence variety, fluency, intermediate vocabulary, and standard conventions of English. Students will be exposed to the writing process and will be expected to produce pre-writing activities, drafts, revisions, in addition to final drafts of academic writing. Prerequisite: TOEFL placement score of 147-159. 3 lecture hours per week.

ESOL - 0560  Interm Grammar  2.00 CR
This course is designed to help ESOL students further develop skills in English usage, correct speech and writing forms and patterns, basic verb tenses and their related structures, and simple use of parts of speech. The course will focus on Standard American English usage and conventions. Prerequisite: TOEFL placement score of 147-159. 2 lecture hours per week.

ESOL - 0600  Adv Listening and Conversation  3.00 CR
This course is designed for ESOL students to strengthen and enrich skills in listening and conversation. Students will work on more academic listening skills such as listening for important information, note taking in the lecture setting, and giving and receiving oral instructions. Emphasis is placed on active participation in class and in small group settings designed for conversation practice. Prerequisite: TOEFL placement score of 160-172. 2 lecture and 2 lab hours per week.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ESOL - 0610</td>
<td>Adv ESOL Skills: Workplace</td>
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<td>ESOL - 0620</td>
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<td>This course is designed to help ESOL students strengthen and enrich academic skills like notetaking, listening to lectures and oral instructions, interpreting written instructions, test taking, research skills, seeking help from tutors and instructors, using the library, and other appropriate academic skills as needed. Prerequisite: TOEFL placement score of 160-172. 1 lecture hour per week.</td>
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<td>ESOL - 0630</td>
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<td>This course is designed to help ESOL students enrich and strengthen develop life skills they may need to actively participate in United States culture while they are attending college. Topics may include, but are not limited to, the following: interpersonal communication, telephone communication, time and money, health and nutrition, safety and security, consumer education, government and community, and transportation and travel. Prerequisite: TOEFL placement score of 160-172. 1 lecture hour per week.</td>
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<td>ESOL - 0700</td>
<td>Adv Reading</td>
<td>4.00 CR</td>
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<td>This course is designed to help ESOL students develop reading skills which are necessary for more rigorous academic work. Students will work on higher-level vocabulary development skills, dictionary skills, English usage skills, and comprehension skills. Students will also be exposed to study skills strategies related to reading in the academic content areas. Prerequisite: TOEFL placement score 160-172. 3 lecture and 2 lab hours per week.</td>
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<tr>
<td>ESOL - 0750</td>
<td>Adv Writing</td>
<td>3.00 CR</td>
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<td>This course is designed to help ESOL students strengthen and enrich skills in writing English. In this course, students will focus on moving beyond the standard academic paragraph to the standard academic essay. Students will be expected to demonstrate fluency and coherency in English with vocabulary which is increasingly more complex and with few technical errors. Prerequisite: TOEFL placement score of 160-172. 3 lecture hours per week.</td>
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<tr>
<td>ESOL - 0760</td>
<td>Adv Grammar</td>
<td>2.00 CR</td>
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<tr>
<td>FCS - 1240</td>
<td>Fashion Sewing</td>
<td>3.00 CR</td>
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<td>This coed course is designed for students and community members with an interest in learning to use the sewing machine, serger, pressing tools, and other equipment, as well as skills and knowledge for cutting, sewing and working with fabrics. Techniques of pattern selection, minor fitting and design, adjustments and fabric identification and selection will be presented. Concepts are taught through lecture, demonstration, and student practice. Students may develop saleable skills useful in earning an income and/or for personal satisfaction or foundation skills for advanced study. Recommended for Family Consumer Science, Fashion Merchandising, Theater, and Interior Design students. Lab required. 2 lecture and 2 lab hours per week.</td>
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<tr>
<td>FCS - 1245</td>
<td>Fashion Sewing Lab</td>
<td>0.00 CR</td>
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<td>Lab to be taken concurrently with FCS 1240. 2 lab hours per week.</td>
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<tr>
<td>FCS - 1370</td>
<td>Intro to Interior Design</td>
<td>3.00 CR</td>
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<td>This course is open to all students and community members who have an interest in a well-planned, aesthetic interior environment. It is the introductory course for an interior design emphasis and recommended for fashion and art students as well. The course material includes a survey of basic design principles and elements as they apply to planning, designing and furnishing human environments. Color principles will be studied as well as selection skills for window treatments, wall and floor coverings, furniture and accessories. Concepts will be taught by lecture, guest professionals and through student completion of design projects. Students who complete the course may be able to design and appreciate human environments that contribute to positive human behavior, well-being and aesthetic satisfaction. 3 lecture hours per week.</td>
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<td>FCS - 1500</td>
<td>Human Dev/Lifespan *SS</td>
<td>3.00 CR</td>
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<td>This course is a survey course open to all students. It is required for students with a nursing or elementary education degree with an emphasis in early childhood. The course utilizes theory and current practices in child development as they apply to bio-social, cognitive, and psychosocial development through the lifespan. The course is lecture-based, but has a strong laboratory involvement in the Dixie College Preschool. It includes guest speakers, off campus observations and active learning approaches in class. Fills pre-requisite requirement for FCS 2610, Guidance Based on Development Theory, and FCS 2620, Planning Creative Experiences for Young Children. Fills social science general education requirement. 3 lecture hours per week.</td>
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FCS - 2240  Intern Fashion Sewing  3.00 CR
This course is designed for students who already have basic sewing skills (use of sewing machine, serger, pressing tools, and other equipment, as well as cutting and sewing skills). Students will learn to apply intermediate level construction techniques, with an emphasis on design and alterations skills. Computer pattern making is available. 2 lecture and 2 lab hours per week.

FCS - 2245  Intern Fashion Sewing Lab  0.00 CR
Lab course to be taken concurrently with FCS 2240.

FCS - 2360  Practicum in FCS  2.00 CR
Students participating in this practice course may work with the instructor to design a specific focus related to Interior Design, Textiles, Weaving or Sewing, with the intent of providing practical application of significant design concepts in selected areas. May be repeated for credit.

FCS - 2400  Family Relationships *SS  3.00 CR
Family relationships course examines family issues utilizing family theory with a focus on patterns of family development through the lifespan. It will cover major sociological theories as applied to family functioning. Course content will include study of mate selection, identity development, work and finances, conflict resolution and communication, human sexuality, divorce, and marital strengths as they are explained by sociological theory. Class presentations include a combination of interactive lecture, active learning experiences, cooperative learning tasks, and writing for self-discovery. Fills a general education requirement in social science. 3 lecture hours per week.

FCS - 2410  Self-Protection for Women  2.00 CR
Self-Protection for Women is a class open to all students and community members interested in learning how to live with more safety in this society. It examines the socialization that makes women more vulnerable to assault and violence, and provides a valuable foundation for self-protection. Strategies for avoiding dangerous situations will be taught as well as actual self-defense techniques. The class covers the effects of assault on a person's psychology and development. Concepts are presented through lecture, class discussion, case study, guest lecturer, active learning, and use of audio/visual materials. This course is an elective credit. One lecture and 2 lab hours per week.

FCS - 2415  Self Protect/Women Lab  0.00 CR
Lab to be taken concurrently with FCS 2410.

FCS - 2420  Personal Dev/Effective Comm  2.00 CR
This course is open to all students interested in exploring a variety of topics related to personal growth and development as well as communication skills. Participants will be introduced to life skills that will be helpful in understanding their own ways of looking at life and how these affect daily experiences. They will also be introduced to assertive communication principles and styles, conflict resolution, dealing with anger and other forms of effective communication. Concepts will be presented through lecture, class discussion, experiential exercises, and outside activities. Students completing this class may have a better understanding of themselves and how to communicate effectively in relationships. This course is an elective credit. 2 lecture hours per week.

FCS - 2430  Balancing Stress  1.00 CR
This course is for all students and community members interested in learning the theory and skills to maximize and to manage our life stressors. In this modern age stress affects all of us in many different areas, social, mental, physical, emotional and spiritual. This class explores the impact of stress on all individuals and their relationships in all of these varied areas and how we cope. The emphasis will be on "the art of turning adversity into adventure." Students completing this course will be able to distinguish between stressors and stress and to compile an arsenal of stress management coping skills. This course is an elective credit. 1 lecture hour per week.

FCS - 2440  Strengthening Relationships  0.50 CR
This class is based on the work of C. Terry Warner, Ph.D., and follows the training format developed by the Arbinger Company of Salt Lake City. The purpose of this class is to provide a format for participants to strengthen relationships and resolve conflicts in families and in the workplace. We will explore how we can be an influence for good without control, coercion, or manipulation. Rather than teaching techniques, this class will assist participants to discover and to recover who we really are -- our authentic selves. 2 lecture hours per week for 5 weeks.

FCS - 2500  Child Dev - Birth to Eight  3.00 CR
Child Development, Birth to Eight, focuses on the physical, cognitive, and psychosocial development of young children through infancy, toddlerhood, and early childhood. This course uses a combination of lecture, interactive learning processes, and lab experiences to promote student mastery of normal developmental processes through the first eight years of life. This class is for early childhood educators, preschool teachers, and day care providers in centers and homes. It fills requirements for CDA, and transfers as an elective credit to several Utah colleges. Students should check with an advisor to get specific information on transfer. 3 lecture hours per week.

FCS - 2600  Intro to Early Childhood Educ  2.00 CR
This is an introductory course for preschool educators, though it is open to any student. Historical background, professional issues, theories, and an overview to developmentally appropriate educational practices will be covered. It can be used for completion of coursework towards CDA or can be used as a preparatory course for those who plan to work in childcare. 2 lecture hours per week.
FCS - 2880  Practicum In Early Childhood  2.00 - 4.00 CR

Designed to provide on-the-job learning opportunities for prospective teachers of young children. The placement will be in an early childhood educational setting and include teaching opportunities in the early childhood setting under the supervision of the program director and/or teacher of a particular classroom. As part of the course, the student will meet weekly with a faculty member in the FCS department in a seminar format to establish learning objectives for the semester specific to student site placement and the student. These objectives will include work in each of the following areas: curriculum development, classroom management, lesson preparation and delivery, working with parents of young children, and supervising workers in an early childhood educational setting. Prerequisite: FCS 1500, 2600, 2610, 2620. Various practicum hours per week.

FCS - 2620  Plan Creative Exp Young Child  3.00 CR

This course is part of the Associate Degrees requirements for Early Childhood Education. This course explores the value of developmentally appropriate play for young children and how to provide a rich curricular environment for early childhood settings. It includes planning, preparation, and implementation of activities for early childhood education. This course transfers to several other institutions; students should seek advisement at the receiving institution to guarantee transfer. A lab is embedded in the course to provide students an opportunity to apply course concepts with children. Prerequisites: FCS 1500 or FCS 2500 or PSY 1100 (can be concurrently enrolled in any of the prerequisite courses). 2 lecture hours and 2 lab hours per week.

FCS - 2640  Partnering With Parents  3.00 CR

Partnering with Parents is a course designed to prepare educators to competently structure the vital collaboration between educational agencies and the home. It will highlight the fact that school and the home are intertwined in the support of healthy childhood development. The course will focus on the development of attitudes, knowledge and skills that educators bring to strengthen school and home relationships. Co-requisite: FCS 2610/2615. Prerequisite: FCS 1500. 3 lecture hours per week.

FCS - 2700  EI: Fndtns & Proc Safeguards  1.00 CR

In this course, participants gain an overview of early intervention and the theory behind the legislation of Part C of IDEA. Topics include the history of early intervention; program purpose; system development; regulations and oversight; components of state-wide early intervention system; how complaints are resolved; and early intervention yesterday, today, and tomorrow. 1 lecture hour per week.

FCS - 2701  EI: Fam Prtnrships/Serv Coord  1.00 CR

In this course, participants learn about family partnerships and the duties and responsibilities of the service coordinator. Topics include: understanding the family and involving father, siblings, and grandparents; families as partners; cultural awareness; increasing sensitivity in working with culturally diverse families; understanding grief and loss and providing support; service coordination definition and qualifications; models; scenario; conflict management; grief and teaming. 1 lecture hour per week.

FCS - 2702  EI: Assmnt/Indvl Service Plan  1.00 CR

In this course, participants gain an overview of the assessment process and the development of service planning based on the assessment. Topics include: child find and referral; first contacts, tools used in identifying family’s concerns, needs and resources; child development assessment; determination of eligibility; IFSP meetings; development of child and family goals; transition; review and evaluation of the IFSP. 1 lecture hour per week.

FCS - 2703  EI: Health and Safety  1.00 CR

In this course participants learn about child care health and safety issues. Topics include: communicable diseases, controlling the spread of disease; nutrition; medication management and promoting infant and toddler emotional well-being; injury prevention; SIDS; Shaken Baby Syndrome; child abuse and neglect; and preventative oral health. 1 lecture hour per week.

FCS - 2704  EI: Motor Training  1.00 CR

In this course participants learn about motor development as it pertains to early intervention children. Topics include: reflexes; early warning signs of delay; atypical development; pre and post natal causes of disability; sensory processing; typical diagnosis positioning; equipment, toys, medical services and case studies. 1 lecture hour per week.

FCS - 2705  EI: Communication Training  1.00 CR

In this course participants learn to assist early intervention children with their growth of communication skills. Topics include: typical language development; atypical language development; naturalistic instruction techniques; language treatment strategies; and production strategies. 1 lecture hour per week.

FCS - 2610  Child Guid Based on Dev Theory  3.00 CR

The Guidance course is part of the Associate Degrees in Early Childhood Education. The course uses DSC Preschool as a lab setting to apply principles of child guidance and discipline from currently accepted theories. Guidance is an interactive lecture course which uses varied strategies to study principles and concepts. Students completing Child Guidance will be ready to move on to the next courses in the Associates Degrees in Early Childhood Education. They also will find that this course transfers to all institutions of higher education in Utah. This course is also very valuable to parents, prospective parents, and educators. Prerequisites: FCS 1500 or FCS 2500, or PSY 1100 (can be concurrently enrolled in any of the prerequisite courses). 2 lecture hours and 2 lab hours per week.

FCS - 2700  EI: Fndtns & Proc Safeguards  1.00 CR

In this course, participants gain an overview of early intervention and the theory behind the legislation of Part C of IDEA. Topics include the history of early intervention; program purpose; system development; regulations and oversight; components of state-wide early intervention system; how complaints are resolved; and early intervention yesterday, today, and tomorrow. 1 lecture hour per week.

FCS - 2701  EI: Fam Prtnrships/Serv Coord  1.00 CR

In this course, participants learn about family partnerships and the duties and responsibilities of the service coordinator. Topics include: understanding the family and involving father, siblings, and grandparents; families as partners; cultural awareness; increasing sensitivity in working with culturally diverse families; understanding grief and loss and providing support; service coordination definition and qualifications; models; scenario; conflict management; grief and teaming. 1 lecture hour per week.

FCS - 2702  EI: Assmnt/Indvl Service Plan  1.00 CR

In this course, participants gain an overview of the assessment process and the development of service planning based on the assessment. Topics include: child find and referral; first contacts, tools used in identifying family’s concerns, needs and resources; child development assessment; determination of eligibility; IFSP meetings; development of child and family goals; transition; review and evaluation of the IFSP. 1 lecture hour per week.

FCS - 2703  EI: Health and Safety  1.00 CR

In this course participants learn about child care health and safety issues. Topics include: communicable diseases, controlling the spread of disease; nutrition; medication management and promoting infant and toddler emotional well-being; injury prevention; SIDS; Shaken Baby Syndrome; child abuse and neglect; and preventative oral health. 1 lecture hour per week.

FCS - 2704  EI: Motor Training  1.00 CR

In this course participants learn about motor development as it pertains to early intervention children. Topics include: reflexes; early warning signs of delay; atypical development; pre and post natal causes of disability; sensory processing; typical diagnosis positioning; equipment, toys, medical services and case studies. 1 lecture hour per week.

FCS - 2705  EI: Communication Training  1.00 CR

In this course participants learn to assist early intervention children with their growth of communication skills. Topics include: typical language development; atypical language development; naturalistic instruction techniques; language treatment strategies; and production strategies. 1 lecture hour per week.
Various seminars in Family & Consumer Science are open to all students and community members. Topics may include child development, finance, nutrition, foods, wellness, interior design/textiles, communication, family relationships and other topics that relate to life skill development and management of home and work. Presentations will vary according to the nature of the class, but may include lecture, class discussions, practical exercises, outside activities, laboratory experiences. Courses may be repeated for elective credit. Lab fees may apply to certain seminars. Consult the class schedule for details.

FIN - 1750 Personal Finance 3.00 CR
A course for those who spend money or plan to spend money. Students with a finance, business or family concentration may be particularly interested. Conceptual tools needed to function in an expanding economy that requires personal financial decisions such as spending, saving, borrowing, insurance, consumer product purchases and investing decisions are introduced. Concepts are presented through lecture, class and group discussion, media presentations, guest speakers and experiential exercises, including the development of a personal budget, following a stock, and a group exploration presentation. Completers should be capable of making informed decisions relating to personal finance and consumer issues. This is an elective course. 3 lecture hours per week.

FIN - 3150 Managerial Finance I 3.00 CR
Teaches fundamentals necessary to analyze financial statements, identify management problems, determine causes, and make sound decisions. Covers cash flow, vertical, horizontal, and ratio analyses, break even, and profit volume. Discusses tools of financial management, operating leverage, and projections. Requires a written financial analysis paper. Prerequisites: ACCT 2020, ECON 2020, STAT 2040 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

FIN - 3180 Entrepreneurial Finance 3.00 CR
Explores all aspects of consumer and commercial credit management with the intent of acquainting the student with the various types and proper uses of credit so that his/her personal and business experiences with credit will be positive ones. Attention will be given to such personal/consumer areas as loans, mortgages, credit cards, etc. Commercial credit topics will include business credit, factoring, financial analysis and reporting agencies, the management of consumer credit by businesses, and credit issuance and collection policies. Completers should be able to properly manage their own personal credit or their business's consumer or commercial credit. Prerequisites: ACCT 2020 and ENGL 2010 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

FIN - 3200 Money, Banking and Credit 3.00 CR
A basic course, including consideration of monetary standards, organization and functioning of the credit system and the Federal Reserve System, problems of money, prices, and credit control. Recent monetary and banking trends are emphasized. Prerequisites: FIN 3150 (can be concurrently enrolled) and advanced standing in the business baccalaureate program. 3 lecture hours per week.

FIN - 3400 Real Estate Finance 3.00 CR
Mechanisms of real estate financing, sources of funds and financial institutions, governmental agencies. The framework for urban real estate investment decisions by individuals and institutions. Use of financing techniques, leverage, risk analysis and control, and taxation. Prerequisite: Advanced standing in the business baccalaureate program. 3 lecture hours per week.

FIN - 3750 Intro to Investments 3.00 CR
Highlights investment markets, transactions, return and risk measures, stock and preferred stock analysis and valuation, bond analysis and valuation, speculation vehicles, mutual funds, real estate investments, and portfolio building and management. Students will learn to follow the markets through the Wall Street Journal and other sources. This is a good course for the novice investor to learn the principles of practical investment management. Prerequisites: FIN 3150 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

FIN - 4150 Managerial Finance II 3.00 CR
In-depth treatment of capital structure, dividend policy, corporate incentive problems, and implications for organization structure and features of securities, agency theory, and signaling theory. Prerequisites: FIN 3150 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

FIN - 4400 International Finance 3.00 CR
A study of the international monetary system in its theoretical and institutional setting. The position of an individual business firm in conducting international trade; procedures in financing international transactions. Prerequisites: FIN 3150 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

FREN - 1010 Beg French I *FL 4.00 CR
This course is taught fall semester only. For beginning students interested in the French language. Speaking, listening, reading, and writing activities are used to develop communicative skills. Cultural awareness is also a component of this class. A variety of teaching methods are employed, including drills, videos, and work in pairs. This course, along with one other French course, will fulfill the Foreign Language requirement for students to receive an Associate of Arts degree. Successful completers are prepared to take French 1020. 4 lecture hours per week.
FREN - 1020  Beg French II *FL  4.00 CR
This course is taught spring semester only. For students interested in French language who have completed French 1010 or who have equivalent experience (approximately two years of high school French). Students using 1020 as an entry level class may receive vertical credit for French 1010 upon passing 1020 with a C grade or higher. Emphasizes developing communicative competence, including speaking, listening, reading, and writing. Varied methods are used to teach the class, including videos and drilling concepts. This course, along with one other French course, will fulfill the Foreign Language requirement for students to receive an Associate of Arts degree. Prerequisite: French 1010 or instructor permission. 4 lecture hours per week.

FREN - 2010  Intern II *FL  4.00 CR
This course is taught fall semester only. For intermediate-level students who have taken French 2010, or for students who have had equivalent experience (four or more years of high school French). Students who begin their French studies at the intermediate levels may receive vertical credit for the beginning level classes if they receive a C grade or higher. Continued emphasis on communicative competence. Grammatical structures will be reviewed, conversation will be emphasized, and reading and writing will receive increased focus. A variety of teaching methods are employed, including drills, videos, conversational activities, reading, and lecture. This course, along with one other French course, will fulfill the Foreign Language requirement to receive an Associate of Arts degree. Successful completers are prepared to take French 2010. Prerequisite: French 1010 or instructor permission. 4 lecture hours per week.

FREN - 2020  Intern French II *FL  4.00 CR
This course is taught spring semester only. For intermediate-level students who have taken French 2020. Students who begin their French studies at the intermediate levels may receive vertical credit for the beginning level classes if they receive a C grade or higher. Continued emphasis on communicative competence. Grammatical structures will be reviewed, conversation will be emphasized, and reading and writing will receive increased focus. A variety of teaching methods are employed, including drills, videos, conversational activities, reading, and lecture. This course, along with one other French course, will fulfill the Foreign Language requirement to receive an Associate of Arts degree. Prerequisite: French 2010 or instructor permission. 4 lecture hours per week.

FREN - 2990  Seminar in French  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

GCOM - 1010  Intro to Graphic Communication  3.00 CR
Graphic Communications students and other students whose major subject area is associated with the printing industry should take this class. The class is designed to give students theory and 'hands-on' assignments relative to the printing industry. Areas introduced are: history, digital file preparation, digital file output, digital camera, offset press, finishing/binding, and screen printing. The curriculum is based on the PrintED competencies and is accredited by the Graphic Arts Education Research Foundation-Printing Industries of America. An Introduction To Graphic Communications certificate is awarded to students who complete 80% of the competencies. 3 lecture hours per week.

GCOM - 1110  Digital File Prep I Adobe InD  3.00 CR
The class is a basic electronic layout course for students majoring in Graphic Communications and other students whose major subject area is associated with the printing industry. The student will use computers (Macintosh), Adobe InDesign software, and laser printers, to merge text, graphics, and data for competency based assignments to produce finished documents for reproduction. This class is one in a group of three (GCOM 1110, GCOM 1120, and GCOM 2130). The curriculum is based on the PrintED competencies and is accredited by the Graphic Arts Education Research Foundation-Printing Industries of America. The student should successfully complete these three classes before attempting job entry. A Digital File Preparation certificate is awarded to students who complete 80% of the class competencies and the Introduction To Graphic Communications (GCOM 1010) class. 3 lecture hours per week.

GCOM - 1120  Digital File Prep II Quark Xpr  3.00 CR
The class is a basic layout course for students majoring in Graphic Communication and other students whose major subject area is associated with the printing industry. The student will use computers (Macintosh), Quark Xpress software, and laser printers, to merge text, graphics, and data for competency based assignments to produce finished documents for reproduction. This class is one in a group of three (GCOM 1110, GCOM 1120, and GCOM 2130). The curriculum is based on the PrintED competencies and is accredited by the Graphic Arts Education Research Foundation-Printing Industries of America. The student should successfully complete these three classes before attempting job entry. A Digital File Preparation certificate is awarded to students who complete 80% of the class competencies and the Introduction To Graphic Communications (GCOM 1010) class. 3 lecture hours per week.

GCOM - 1220  Digital Photography / Scanning  3.00 CR
The course is designed to give the student 'hands-on' experiences with the digital camera and scanner. Nomenclature, basic techniques, Power Point presentations, and care of equipment are covered in the class. Sony 3.3 and 4.1 mega pixel digital cameras will be provided for students who do not have their own. Students will also use Macintosh computers and UMAX scanners for the scanning portion of the class. Although the instruction is geared for the Graphic Communication and other students whose major subject area is associated with the printing industry the content is applicable to all who have a need for skills in these areas. 3 lecture hours per week.

GCOM - 1230  Digital File Output  3.00 CR
The class is for specifically for Graphic Communication students, or others who a need to have experiences preflighting documents prior to printing, trapping color, calibrating printers, producing proofs, determining page imposition, and performing computer-to-plate output. The curriculum is based on the PrintED competencies and is accredited by the Graphic Arts Education Research Foundation-Printing Industries of America. A Digital File Output certificate is awarded to students who complete 80% of the class competencies and the Introduction To Graphic Communications (GCOM 1010) class. 3 lecture hours per week.
This course is designed for Graphic Communications majors and it is strongly recommended for others having a desire to acquire problem-solving skills related to prepress (design and illustration) and offset operations. The course is the first of two classes designed to give the students theory and hands on experience in; digital file output, paper cutting, press nomenclature, press make ready, for single and multi color press operation. Hands on press assignments include single and multi color jobs. The curriculum is based on the PrintED competencies and is accredited by the Graphic Arts Education Research Foundation-Printing Industries of America. The student should successfully complete both press classes before attempting job entry. A Beginning Offset Press certificate is awarded to students who complete 80% of the class competencies and the Introduction To Graphic Communications (GCOM 1010) class. 3 lecture hours per week.

GCOM - 1510 Finishing/Binding 3.00 CR

The student will be exposed to finishing and binding tasks that have been recommended by industry for job entry. Paper math, paper cutting, padding, stitching, folding, scoring, slitting, and safety are covered in the lecture and lab. The curriculum is based on the PrintED competencies and is accredited by the Graphic Arts Education Research Foundation-Printing Industries of America. A Finishing and Binding certificate is awarded to students who complete 80% of the class competencies and the Introduction To Graphic Communications (GCOM 1010) class. Fee required. 3 lecture hours per week.

GCOM - 1610 Screen Printing 3.00 CR

Designed for students wishing to explore the screen printing application. The student will print on various substrates using stencils that have been photographically generated. Computers will be used to reproduce images for positive reproduction using the process camera. Multi-color screen printing on "t" shirts will be the emphasis of the class. Students will also assemble a design of text and graphic to be embroidered on apparel. 3 lecture hours per week.

GCOM - 2130 Computer Ad Layout and Design 3.00 CR

Students who have completed InDesign, QuarkXPress, Illustrator, or Photoshop should enroll to produce single and multi-colored ads. Successful completers of all three classes can apply for employment at print shops, newspaper and ad agencies. Prerequisites: GCOM 1110 or GCOM 1120 or VT 2500 or VT 2600. 3 lecture hours per week.

GCOM - 2420 Adv Offset Press 3.00 CR

Graphic Communication students will have "hands-on" assignments with digital file output, single and multi color, process printing, press adjustments, and problem solving related to all aspects of offset printing. Job entry as a duplicator operator should be possible for all successful completers of the offset press series. The curriculum is based on the PrintED competencies and is accredited by the Graphic Arts Education Research Foundation-Printing Industries of America. An Advanced Offset Press certificate is awarded to students who complete 80% of the class competencies and the Introduction To Graphic Communications (GCOM 1010) class. 3 lecture hours per week.

GCOM - 2990 Seminar in Graphic Comm 1.00 - 3.00 CR

For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students demand some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor Permission.

GEO - 1010 Introduction to Geology *PS 3.00 CR

A general survey of physical Geology for non-science majors, stressing an appreciation for our scenic landscapes and the study of their origins. This course uses lectures, labs, slides, and videos to help the students gain an understanding of the geology around them. Successful completion of this course will enable the student to better appreciate the landforms of the earth. One field trip required. Lab fee required (transportation). 3 lecture hours per week.

GEO - 1020 Life of the Past *PS 3.00 CR

A general survey of historical Geology for non-science majors. This course examines the basic principles of historical geology including the relationship between the tectonic history of the earth and the evolution of life through time. This course will use lectures, labs, slides, and videos to help the students gain an understanding of the history of the earth. Successful completion of this course will enable the student to appreciate how our earth formed. Lab fee required (transportation). 3 lecture hours per week and one field trip required.

GEO - 1040 Intro to Dinosaurs *PS 3.00 CR

An introductory science course that utilizes dinosaurs, a popular subject matter, as an avenue to teach students basic principles of geology, biology, physics, chemistry, and astronomy, with some basic math (algebra and trigonometry). This course meets the criteria expected of an introductory science class and fulfills a core curriculum requirement. Successful completion of this course will enable a student to understand science and scientific concepts and their applications in a multitude of disciplines. 3 lecture hours per week.

GEO - 1050 Geol of the Nat'l Parks *PS 3.00 CR

This course investigates the geologic history of the southwest with an emphasis given to the geology of the national parks of the region. This course will use lectures, field trips, slides, and videos to help the students gain an understanding of the history of the national parks. Successful completion of this course will enable the student to better understand how our national parks came to be. There will be numerous required field trips to the surrounding areas. 3 lecture hours per week.
Two separate weekend field trips to selected national parks allowing students to observe geologic features and processes, and to gain hands-on practice in rock identification. Requires camping and some hiking. Must be taken concurrently with GEO 1050: Geology of the National Parks. Fee required.

GEO - 1060 Environmental Geology *PS 3.00 CR
An introductory course for non-science majors. This course emphasizes the relationship between human beings and the geologic environment, including geologic hazards, mineral and energy resources, and environmental issues. Successful completion will give students an understanding of the causes and impact of environmental threats. 3 lecture hours per week.

GEO - 1110 Physical Geology *PS 0.00 - 4.00 CR
For students majoring in the sciences and engineering, for which geology is required (civil engineering, geology, range management, forestry, etc). Covers the study of the physical features of the earth and the processes that shape those features. Course taught using a combination of lectures, multi-media presentations, assignments, laboratory experiences, and field observations. Successful completion gives students the background necessary for further study in the sciences. Lab fee required (transportation). 3 lecture hours per week, and field trips.

GEO - 1115 Physical Geology LAB 1.00 CR
A lab course to be taken concurrently with GEO 1110. Lab fee required. 2 lab hours per week.

GEO - 2990 Seminar in Geology 0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements.

GEOG - 1000 Physical Geography *PS 3.00 CR
For geography majors and students interested in geography in general. Teaches the physical elements of the natural environment, including atmosphere, lithosphere, biosphere, hydrosphere and their integrated patterns of world distribution. Students will experience instructor lectures, guest lecturers, video, and possibly field trips. Successful completion of the course enables students to be familiar with climates, landforms, soils, water, plants, animals and how they all interact to make up the surface of the earth. Course fee required. One field trip required. 3 lecture hours per week.

GEOG - 1400 Human Geography *SS 3.00 CR
For students with an emphasis in geography and all students interested in fulfilling general education social science requirements. Examines the geographer's perspective on people and their environments. Attention given to the cultural landscape, history, rural-urban behavior, and an overview of economic and political-regional conditions in various areas of the world. A lecture course that may include films, field trips, guest lectures, and group work. This course is a basic requirement for geography majors at many four-year schools, and successful completers should be prepared for more advanced study in geography. 3 lecture hours per week.

GEOG - 2990 Seminar in Geography 0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

GERM - 1010 Beg German I *FL 4.00 CR
This course is taught fall semester only. For beginning students interested in the German language. Emphasis on listening, speaking, reading, and writing skills will help the student begin to develop communicative competence. Discussion of German culture is also a component of this course. Several teaching methods are employed, including lecture, drill practice, videos, and group work. This course, along with one other German course will fulfill the Foreign Language requirement for students to receive an Associate of Arts degree. Successful completers are prepared to take GERM 1020. 4 lecture hours per week.

GERM - 1020 Beg German II *FL 4.00 CR
This course is taught spring semester only. For students interested in German language who have completed German 1010 or who have equivalent experience (approximately two years of high school German). Students using 1020 as an entry level class may receive vertical credit for German 1010 upon passing 1020 with a C grade or higher. Continued emphasis on developing communicative skills is the focus of this class, including speaking, listening, reading, and writing. Several teaching methods are employed, including lecture, drill practice, videos, and group work. This course, along with one other German course, will fulfill the Foreign Language requirement for students to receive an Associate of Arts degree. Prerequisite: GERM 1010 or instructor permission. 4 lecture hours per week.
GERM - 2010  Intermediate German I  4.00 CR
This course is taught fall semester only. For intermediate-level students who have taken German 1020, or for students who have had equivalent experience (four or more years of high school German). Normally, students who have had an extended experience abroad should not register for this series of classes; instead, they should register for Advanced German classes. Students who begin their German studies at the intermediate levels may receive vertical credit for the beginning level classes if they receive a C grade or higher. Continued emphasis on communicative competence, including speaking activities, listening development, reading authentic materials, and writing. A variety of teaching methods are employed, including role-play and small group activities, discussion of reading materials and videos. This course, along with one other German course, will partially qualify students to receive an Associate of Arts degree. Successful completers are prepared to take German 2020. Prerequisite: Recommended background to register for German 2010 is successful completion of German 1020, three to four years of high school German or equivalent experience. Refer questions to Addison Everett at 652-7810. 4 lecture hours per week.

GERM - 2020  Intermediate German II  4.00 CR
This course is taught spring semester only. For intermediate-level students who have taken German 2010. Students who begin their German studies at the intermediate levels may receive vertical credit for the beginning level classes if they receive a C grade or higher. Continued emphasis on communicative competence, stressing the four productive and receptive skills. Grammatical structure will be reviewed, conversation will be emphasized, and reading and writing will receive increased focus. A variety of teaching methods are employed, including drills, videos, conversational activities, reading, and lecture. This course, along with one other German course, will partially qualify students to receive an Associate of Arts degree. Prerequisite: Recommended background to register for German 2020 is successful completion of German 1020, four to five years of high school German, or equivalent experience. Direct questions to Addison Everett at 652-7810. 4 lecture hours per week.

GERM - 2990  Seminar in German  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

HIST - 1100  Western Civilization I *SS  3.00 CR
For all students interested in history. Explores the intellectual, social, ethical, religious, and aesthetic processes, institutions and ideas of Western Civilization from pre-history to 1715. Emphasizes reading, discussing and writing about important texts and art forms of various periods. Successful completers will have developed an understanding of the general intellectual trends and historical contexts of western civilization through the Age of Reason. This course may be used to fill social science general education requirements. 3 lecture hours per week.

HIST - 1110  Western Civilization II *SS  3.00 CR
For all students interested in history. Explores the intellectual, social, ethical, religious, and aesthetic processes, institutions and ideas of Western Civilization from 1715 to the present. Emphasizes reading, discussing, and writing about important texts and art forms of various periods. Successful completers will have developed an understanding of the general intellectual trends and historical contexts of western civilization after the Age of Reason. This course may be used to fill social science general education requirements. 3 lecture hours per week.

HIST - 1660  Utah History  3.00 CR
General interest, for all citizens of the state and for all ages including history/social science majors and education majors and retirees. Includes an examination of the entire history of Utah from the earliest human inhabitants, through the settlement by European/Americans in the so-called pioneer period, and on to Statehood. The relationship of Utah's Dixie to Utah's history is a subtopic through the course. Uses readings, writing assignments, lectures, discussions, films and oral student reports. 3 lecture hours per week.

HIST - 1700  American Civilization *AI  3.00 CR
For students seeking to fill the American Institution requirement that must be completed by all who receive a bachelor's degree from a Utah school. Surveys the historical, constitutional and economic growth of the United States from colonial times to the present. A lecture course which also employs discussion, audio-visual materials and various other instructional methods. Helps students acquire a greater understanding and appreciation of our American heritage and the responsibilities of all American citizens. Prerequisite: A placement score of 17 or higher in Reading, or a successful challenge test in Reading taken at the Testing Center, or English 1470. 3 lecture hours per week.

HIST - 2990  Seminars in History  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

HIST - 3670  Slavery and the Am Republic  3.00 CR
This course explores the creation of slavery in North America from European settlement until 1865. It emphasizes the trans-Atlantic slave trade; the creation of hereditary chattel slavery in America; the government and legal mechanisms that allowed this, slave life and culture; and efforts to abolish the institution before the Civil War. Prerequisites: ENGL 1010 and HIST 1700. 3 lecture hours per week.
Prerequisite: Instructor permission required.

HLOC - 1060 First Aid

This class is designed to meet the needs of individuals who are interested in basic first aid training. Techniques taught in this class include but are not limited to: bleeding control and treatment, stabilization of fractures - sprains - dislocations, metabolic and environmental emergencies. The intent of this class is to meet those community, agency, or health care provider students needs, and for individuals who have a required or personal interest in basic first aid. This class is a prerequisite class for CNA and PN Programs. Fee required. Prerequisite: Instructor permission required.

HLOC - 1050 Cardio-Pulmonary Resuscitation

This class will meet the needs of individuals who are interested in CPR training at multiple levels. Depending upon the skill level requested or required, the following techniques will be taught: airway management, adult/child/infant, cardio pulmonary resuscitation adult/child/infant, use of pocket masks. Fee required. Prerequisite: Instructor permission required

HLOC - 1040 12 Lead Electrocardiogram

This class is designed as a continuation of HLOC 1030. It provides those who have completed basic training in electrocardiogram advanced training in electrocardiograph tracing, diagnosing, and treatment. HLOC 1030 or equivalent training is required and this class is by instructor permission only. Prerequisite: Instructor permission required

HLOC - 1030 Basic Electrocardiogram

Designed to teach hospital, clinic, or pre-hospital prepared clinicians the basic understanding of heart physiology, electro conductivity, dysrhythmia recognition, and treatment. It is recommended that those interested in this course have some medical training, and interest or need in cardiac care. Prerequisite: Instructor permission required

HLOC - 1020 Intro to Sports Medicine

Course is designed for individuals interested in a career in athletic training, physical therapy, orthopedics, coaching, or other physical education or fitness related fields. The basics of sports medicine, i.e., prevention of injury, evaluation of injury, and management of injury are discussed. A lab component is also part of this class, where students will have hands on, in the field experience with athletic trainers and therapists. There are no pre-requisites, however BIOL 1020, 2040, and PE 2050 are strongly recommended. 3 lecture hours per week.

HLOC - 1010 Intro to Health Professions

This course is recommended for those students majoring in health or health related professions. Emphasis is upon the health care system in the United States including health care reform, current political, social and ethical issues, and changes in educational and legal requirements. Coverage of more than sixty health and health-related professions, including information on salaries, employment opportunities and trends, and various associations. In addition to other written assignments, students will prepare a resume and learn valuable tips on interviewing techniques and job hunting. Successful completion of the course should enable students to better select a career in health care which is suited to them. Satisfies prerequisites for Allied Health Science Courses. 2 lecture hours per week.

HIST - 4730 Society/Culture in US 1780-186

This course offers a topical examination of American cultural and social history between the Revolution and the Civil War. Topics include the growth and development of the nation's market economy, slavery and abolition, changes in family life, evolving understandings of democracy and republicanism, and the rise of popular literature, amusements, and religion. Prerequisite: ENGL 1010 and HIST 1700. 3 lecture hours per week.

HIST - 3740 The Emergence of Modern Amer

This course is a concentrated survey that explores U.S. history from the Gilded Age in the late nineteenth century through the Progressive Era of reform, WWI, the 1920s, the Great Depression and the New Deal, and ending with the onset of WWII. Prerequisites: ENGL 1010 and HIST 1700. 3 lecture hours per week.

HIST - 3730 The Am Civil War/Reconstructio

This course examines America's greatest crisis from the Mexican War (1846-48) through the abandonment of Reconstruction in 1866. It explores the political, social, economic, and military aspects of the nation's march to war, the conflagration that preserved the Union and ended slavery, and the efforts to reconstruct a shattered South. The course also investigates how Americans remember the Civil War and Reconstruction. Prerequisites: ENGL 1010 and HIST 1700. 3 lecture hours per week.

HIST - 3700 Society/Culture in US 1780-186

This course examines American society and culture between 1780 and 1865. The course is designed to provide students with an understanding of the major social, cultural, and political developments in American society during this period. Prerequisites: ENGL 1010 and HIST 1700. 3 lecture hours per week.

HIST - 3620 American Politics

This course is a study of American politics and the political processes of the United States. It discusses the political institutions, parties, and leaders of the United States. Prerequisites: ENGL 1010 and HIST 1700. 3 lecture hours per week.
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<th>Course Code</th>
<th>Course Name</th>
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<td>HLOC - 1070</td>
<td>Intravenous Therapy</td>
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<td>HLOC - 1300</td>
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<td>HLOC - 1400</td>
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<td>HLOC - 1450</td>
<td>Pediatric Adv Life Support</td>
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<td>for those who have not been</td>
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<td>currently working with pediatric</td>
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<td>patients. Prerequisite: Instructor</td>
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<td>permission. Corequisite: Current BLS</td>
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<td>Health Care Provider Certification.</td>
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<tr>
<td>HLOC - 2810</td>
<td>Neonatal Resuscitation Recert</td>
<td>0.50 CR</td>
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<td>NRPrp is a course designed by the</td>
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<td>American Academy of Pediatrics (AAP)</td>
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<td>for those who have previously</td>
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<td>completed the Neonatal Resuscitation</td>
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<td>Program and are now ready to extend</td>
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<td>their certification to comply with</td>
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<td>keeping their status current. It is</td>
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<td>required that this course be taken</td>
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<td>original NRPrp certification.</td>
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<td>Verification cards are issued through</td>
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<td>ENA upon completion of the course</td>
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<td>and records are verified. Prerequisite:</td>
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<td>Instructor permission required.</td>
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<td>Corequisite: Current BLS Health Care</td>
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<td>Provider Certification.</td>
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<td>HLOC - 2820</td>
<td>Pediatric Ed Pre-Hospital Prof</td>
<td>1.00 CR</td>
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<td>Pediatric Education for Prehospital</td>
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<td>the American Academy of Pediatrics</td>
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<td>(AAP) to provide prehospital</td>
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<td>medical professionals training and</td>
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<td>education in pediatric emergencies.</td>
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<td>in length. Prerequisite: Current</td>
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<td>EMT-B certification and instructor</td>
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<td>Healthcare Provider certification or</td>
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<td>HLOC - 2830</td>
<td>Pre-Hospital Trauma Life Supp</td>
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<td>Pre Hospital Trauma Life Support is a</td>
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<td>course designed by the National</td>
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<td>cooperation with the Committee on</td>
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<td>Trauma of the American College of</td>
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<td>Surgeons. It is targeted for the</td>
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<td>current Paramedic and designed to</td>
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<td>provide the knowledge and skills</td>
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<td>for the pre-hospital assessment and</td>
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<td>care of the trauma patient. This</td>
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<td>course is approximately 16 hours in</td>
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<td>length. Prerequisite: Current EMT-P</td>
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<td>and instructor permission. Corequisite:</td>
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<td>Current BLS Healthcare Provider</td>
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<td>certification or equivalent.</td>
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<td>HLOC - 2850</td>
<td>Emergency Nurse Pediatric Co</td>
<td>1.00 CR</td>
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<td>ENPC is a training course designed by</td>
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<td>the Emergency Nurses Association (ENA),</td>
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<td>which provides emergency room nurses</td>
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<td>and nurse practitioners training in</td>
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<td>advanced techniques of life support</td>
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<td>for the pediatric patient in crises</td>
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<td>situations. Some techniques and skills</td>
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<td>include but are not limited to:</td>
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<td>epidemiology of the pediatric crises,</td>
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<td>initial assessment and triage,</td>
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<td>respiratory complications, burns,</td>
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<td>child maltreatment, toxicologic</td>
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<td>emergencies, and crises intervention.</td>
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<td>who have had previous training in the</td>
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<td>advanced care of the pediatric patient in settings involving emergency care. Verification cards are issued through ENA upon completion of the course and records are verified. Prerequisite: Instructor permission. Corequisite: Current BLS Health Care Provider Certification.</td>
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<td>HLOC - 2880</td>
<td>Neonatal Resuscitation</td>
<td>0.50 CR</td>
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<td>NRPrp is a course designed by the</td>
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<td>to provide hospital care-givers</td>
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<td>training in advanced techniques of</td>
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<td>life support for the newborn and</td>
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<td>full-term infant. Some techniques</td>
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<td>include but are not limited to:</td>
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<td>resuscitation, chest compression,</td>
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<td>endotracheal intubation, medications,</td>
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<td>and special considerations. This</td>
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<td>Prerequisite: Instructor permission.</td>
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<td>Corequisite: Current BLS Health Care</td>
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<td>Provider Certification.</td>
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Western Civilization I
HUM - 1100
3.00 CR

For all students interested in history. Explores the intellectual, social, ethical, religious, and aesthetic processes, institutions and ideas of Western Civilization from pre-history to 1715. Emphasizes reading, discussing, and writing about important texts and art forms of various periods. Successful completers will have developed an understanding of the general intellectual trends and historical contexts of western civilization through the Age of Reason. 3 lecture hours per week.

HUM - 1110
Western Civilization II
3.00 CR

For all students interested in history. Explores the intellectual, social, ethical, religious, and aesthetic processes, institutions and ideas of Western Civilization from 1715 to present. Emphasizes reading, discussing, and writing about important texts and art forms of various periods. Successful completers will have developed an understanding of the general intellectual trends and historical contexts of western civilization after the Age of Reason. 3 lecture hours per week.
IT 1100  Intro to Operating Systems  3.00 CR

Introductory course for students in Computer Information Systems or in Computer and Information Technologies programs, or having general interest in operating systems. This course will instruct students in operating system concepts including virtual memory, file systems, process management, user management, and security. Students will be required to install and configure a variety of operating systems and software packages. 3 lecture hours per week.

IT - 2400  Introduction to Networking  3.00 CR

Introductory course for students in Computer Information Systems or in Computer and Information Technologies programs, or having general interest in computer networking. This course will instruct students in the fundamental concepts of computer networks, including physical, transport, and application layers. Students will be required to complete assignments predicting and measuring the behavior of computer networks under various conditions. Additionally, students will be required to assemble networking components. Pre or corequisite: IT 1100. 3 lecture hours per week.
**JAPN - 1010**  
**Begin Japanese I **FL  
4.00 CR  
This course is taught fall semester only. For beginning students interested in the Japanese language. Emphasis on gaining communicative competence by focusing on the development of speaking and listening comprehension skills. Discussion of Japanese culture is also a component of the course. Several teaching methods are employed, including lecture, drill practice, conversation exchanges, videos, lab tapes, and group work. This course, along with one other Japanese course, will fulfill the Foreign Language requirement for students to receive an Associate of Arts degree. Successful completers are prepared to take JAPN 1020. 4 lecture hours per week.

**JAPN - 1020**  
**Begin Japanese II **FL  
4.00 CR  
This course is taught spring semester only. For beginning students interested in the Japanese language who have completed JAPN 1010 or who have equivalent experience (approximately two years of high school Japanese). Students using 1020 as an entry level course may receive vertical credit for Japanese 1010 upon passing 1020 with a C grade or higher. Continued emphasis on gaining communicative competence by focusing on the development of speaking and listening comprehension skills. Several teaching methods are employed, including lecture, drill practice, conversation exchanges, videos, lab tapes, and group work. This course, along with one other Japanese course, will fulfill the Foreign Language requirement for students to receive an Associate of Arts degree. Prerequisite: JAPN 1010 or instructor permission. 4 lecture hours per week.
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

**LIB - 1010 Information Literacy** 1.00 CR
This course introduces students to college-level research and fulfills the General Education requirement for information literacy. After successfully completing this course, students have met the Association of College and Research Libraries basic "Information Literacy Standards for Higher Education." Specifically, students will be able to determine the extent of information needed; access the needed information effectively and efficiently; evaluate information and its sources critically; incorporate selected information into one's knowledge base; use information effectively to accomplish a specific purpose; understand the economic, legal, and social issues surrounding the use of information; and access and use information ethically and legally. This competency-based class is graded Pass/Fail, and most sections will be offered online.

**MATH - 0900 Basic Mathematics/Pre-Algebra** 4.00 CR
Designed for students with an ACT score of 12 or lower or for students needing to learn or review basic mathematics skills. Covers operations on whole numbers, fractions, decimals, percents with applications, ratios and proportions, signed numbers, linear equations with applications, positive integral exponents, geometry, and polynomials. Graphing and polynomial factoring will be introduced. This course is offered in two delivery formats—lecture and individualized. Lecture format: Traditional lecture given by the instructor four days per week. Tests and assignments are done on a cohort schedule. Individualized Format: A "Placement Inventory" is used to design a personalized program of study. Students work on their programs with an instructor present for individual instruction when needed. Minimum testing deadlines must be met. Satisfies prerequisites for Math 0930. Course fee required on Individualized Format courses. 4-5 class meetings per week.

**MATH - 0920 Basic Math/Pre-Algebra** 4.00 CR
Designed for students with an ACT score of 12 or lower or for students needing to learn or review basic mathematics skills. Covers operations on whole numbers, fractions, decimals, percents with applications, ratios and proportions, signed numbers, linear equations with applications, positive integral exponents, geometry, and polynomials. Graphing and polynomial factoring will be introduced. This course is offered in two delivery formats—lecture and individualized. Lecture format: A "placement inventory" is used to design a personalized program of study. Students work on their programs with an instructor present for individual instruction when needed. Minimum testing deadlines must be met. Satisfies prerequisites for Math 0900. Course fee required on individualized format courses. 4-5 lecture hours per week.

**MATH - 0930 Elementary Algebra** 4.00 CR
Designed for students with an ACT math score of 13-17, or for students needing to learn or review elementary algebra. Covers operations on integers, fractions, integral exponent, polynomials with factoring, linear and quadratic equations with applications, rational expressions, linear systems, graphing, and radicals. Computer-assisted instruction. Satisfies prerequisites for MATH 1010. Prerequisite: MATH 0900 or ACT score of 13 or higher. 4 lecture hours per week.

**MATH - 0990 Elementary Algebra** 4.00 CR
Designed for students with an ACT math score of 13-17, or for students needing to learn or review elementary algebra. Covers operations on integers, fractions, integral exponent, polynomials with factoring, linear and quadratic equations with applications, rational expressions, linear systems, graphing, and radicals. Computer-assisted instruction. Satisfies prerequisites for MATH 1010. Prerequisite: MATH 0920 or ACT score of 13 or higher. 4 lecture hours per week.

**MATH - 1010 Intermediate Algebra** 4.00 - 5.00 CR
Designed for students who need preparatory work before entering the minimum courses that fulfill the general education math requirement. Concepts emphasized in this course include the properties of the real number system, sets, functions, graphs, algebraic manipulations, linear and quadratic equations, systems of equations, and story problems. Students will be expected to reason mathematically and solve mathematical problems. This course is a lecture course and will include homework assignments, quizzes, tests, and a comprehensive final exam. Successful completion of the course gives students good preparation for college-level math courses. Satisfies prerequisites for MATH 1030, 1050, 1080, and BIOL 2400. Prerequisite: MATH 0990 (with an earned grade of C or better) or ACT score of 18 or higher within two years of enrollment, 4 or 6 lecture hours per week.

**MATH - 1020 Geometry** 3.00 CR
Designed to remove deficiency in high school geometry. Main topics include: properties, symmetry, congruency, and similarity of geometric figures; Pythagorean Theorem and right triangle relationships; areas; circles; constructions; use of geometrical thinking in solving problems and proofs. Prerequisite: One year of high school algebra, or Math 0930 with an earned grade of C or better or concurrent enrollment with Math 1010; open to students without geometry in high school. 3 lecture hours per week.

**MATH - 1030 Quantitative Reasoning** 3.00 CR
This course is designed for general studies or liberal arts students majoring in humanities or other non-science programs seeking only an associate degree or certificate. The focus of the course is on the development of analytical problem solving skills through the application of various mathematical concepts to real-life problems. Topics of study include: modeling with algebra; geometry; logic; financial math; right triangle trigonometry (indirect measurement); probability and statistics. Successful completion of this course will satisfy the general education math requirements. Students who wish to enter four year programs are strongly encouraged to check with departments at transfer schools to determine program compatibility. Although this course transfers to all colleges and universities in Utah, it does not commonly meet specific department requirements. Prerequisite: Math 1010 (with an earned grade of C or better) or ACT score of 23 or higher. 3 lecture hours per week.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>MATH - 1040</td>
<td>Intro to Statistics *MA</td>
<td>3.00 CR</td>
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<td>Designed as an introduction to basic concepts and methods used in statistical data analysis. Course includes descriptive statistics, sampling and inferential methods. Emphasizes problem solving and critical thinking. Prerequisite: Math 1010 (with an earned grade of C or better) OR placement test score of 23 or higher. 3 lecture hours per week.</td>
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<td>MATH - 1050</td>
<td>College Alg/Pre-Calculus *MA</td>
<td>4.00 - 5.00 CR</td>
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<td>Designed for students majoring in science and engineering who need a calculus and/or physics series. Review of fundamental algebra. Polynomial and rational functions will be explored. Introduction into exponential and logarithmic functions and their applications. Trigonometric functions dealing with graphs, identities and equations including inverse functions. This course is a lecture course with homework assignments, quizzes, tests, and a comprehensive final exam. Successful completion of the course prepares students for MATH 1060. Satisfies prerequisites for MATH 1060, MATH 1100 and MATH 2010. Math 1050 is required for Utah Teacher Certification. Prerequisite: MATH 1010 (with an earned grade of C or better) or ACT score of 23 or higher within two years of enrollment. 4 to 5 lecture hours per week.</td>
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<td>MATH - 1060</td>
<td>Trigonometry *MA</td>
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<td>Continuation of MATH 1050. Further discussion in trigonometry and its applications. Analytic Geometry including conic sections, systems of equations and inequalities and partial fractions. Introduction into discrete algebra including sequences and series and the binomial theorem. This course is a lecture course with homework assignments, quizzes, tests, and a comprehensive final exam. Successful completion of the course provides students with the concepts needed to continue in a Physics or Calculus series. Satisfies prerequisites for MATH 1210 and PHSX 1110. Prerequisite: MATH 1050 (with an earned grade of C or better) or equivalent. 3 lecture hours per week.</td>
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<td>MATH - 1065</td>
<td>Precalculus w/Trigonometry *MA</td>
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<td>Designed for students who need an in depth review of precalculus and trigonometry before entering trig-based calculus. This course reviews the mathematical concepts taught in Math 1050 and Math 1060. Students who choose to apply Math 1065 toward graduation cannot also count Math 1050 or Math 1060. Prerequisite: Within the previous two years a placement test score equivalency of 25 or better OR within the past two years Math 1010 with an earned grade of B or better OR successful precalculus experience more than two years ago. 5 lecture hours per week.</td>
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<td>MATH - 1080</td>
<td>Math of Technology</td>
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<td>Designed for students in technical fields. Topics include review of basic mathematical operations, including basic number systems, fractions, percentages, exponents and scientific notation. Basic geometry and algebra are reviewed and the practical application of trigonometry is studied. Hand-held calculator usage is included. 3 lecture hours per week.</td>
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<td>MATH - 1090</td>
<td>College Algebra/Bus *MA</td>
<td>4.00 CR</td>
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<td>Designed for students majoring in business, social and biological sciences. It prepares students for business calculus. This course will satisfy the general education requirements for an Associate of Arts and an Associate of Science degrees. Concepts emphasized in this course include equations and inequalities, graphs, functions and modeling, exponential and logarithmic functions, non-linear systems, sequences, series, matrix algebra, statistics and probability. Students will be expected to reason mathematical problems. The course includes lectures, homework assignments, quizzes, tests, and a comprehensive exam. Successful completion of this course prepares students for Math 1100, Business Calculus. Prerequisite: Math 1010 (with an earned grade of C or better) or ACT score of 23 or higher. 4 lecture hours per week.</td>
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<td>MATH - 1100</td>
<td>Business Calculus *MA</td>
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<td>Designed for students majoring in business, life sciences, certain computer science emphases, and certain allied health programs who are required to take a one semester calculus course. Concepts emphasized in this course include functions, modeling, differentiation, applications of differentiation, exponential and logarithmic functions, integration, applications of integration, and functions of several variables. Course includes: lectures, homework assignments, quizzes, tests, and a comprehensive final exam. Successful completion of the course provides students with the required calculus techniques that satisfy all areas requiring just one quarter of calculus. Prerequisite: Math 1050 or Math 1090 (with an earned grade of C or better) or ACT score of 25 or higher. 3 lecture hours per week.</td>
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<td>MATH - 1210</td>
<td>Calculus I *MA</td>
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<td>Designed for students intending to earn an Associate of Science degree and then transfer to a mathematics, engineering program, or other calculus-based major at a four-year institution. Students will gain a basic understanding of calculus, the mathematics of motion and change. Topics include limits and continuity, differentiation, applications of differentiation, integration, applications of integration, derivatives of exponential functions, logarithmic functions, inverse trigonometric functions, hyperbolic functions and related integrals. Students must have a working knowledge of college algebra and trigonometry, and a graphing calculator is strongly recommended. Course includes lecture and homework assignments, quizzes, tests and a final comprehensive exam. Successful completion of the course prepares students for Calculus II. Satisfies prerequisites for MATH 1220 and PHSX 2210. Prerequisites: MATH 1050 and MATH 1060, or MATH 1065 (with an earned grade of C or better) or ACT score of 26 or higher. (Math 1060 is strongly recommended for all students.) 5 lecture hours per week.</td>
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<td>MATH - 1220</td>
<td>Calculus II *MA</td>
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<td>This course is the continuation of MATH 1210. Topics covered include arc length, area of a surface of revolution, moments and centers of mass, integration techniques, sequences and series, parameterization of curves and polar coordinates, vectors in 3-space, quadric surfaces, and cylindrical and spherical coordinates. Course includes lecture, homework assignments, quizzes, tests and final comprehensive exam. Successful completion of the course prepares students for MATH 2210. Prerequisite: Math 1210 (with an earned grade of C or better) or equivalent. 4 lecture hours per week.</td>
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MATH - 2010  Math for Elem Teachers I  3.00 CR
The first course in a two-semester sequence in mathematics appropriate to the needs of the elementary/middle school teacher. Topics include: problem solving, sets, numeration systems, whole numbers, algorithms of arithmetic, number theory, rational numbers and decimal numbers. Required for prospective elementary school teachers. Prerequisite: Math 1050 (with an earned grade of C or better) and is required for Level 1 Math Endorsement and Elementary (K-8) Certification. 3 lecture hours per week.

MATH - 2020  Math for Elem Teachers II  3.00 CR
A continuation of Math 2010. Topics include: real numbers, statistics, probability, geometry, measurement, and algebra. Required for prospective elementary school teachers. Prerequisite: MATH 2010 with an earned grade of C or better. 3 lecture hours and 2 practicum hours per week.

MATH - 2210  Multivariable Calculus *MA  3.00 CR
This course is the continuation of MATH 1220. Includes partial derivatives, gradient vectors, Lagrange multipliers, multiple integrals, line integrals, Green's Theorem, surface integrals, the Divergence Theorem, and Stokes' Theorem. MathCAD - Calculus will also be introduced in computer labs. Course includes lecture and homework assignments, quizzes, tests and a comprehensive final. Successful completion of the course prepares students for all areas that require calculus as a prerequisite. Satisfies prerequisites for ENGR 2000. Prerequisite: Math 1220 with an earned grade of C or better. 3 lecture hours per week.

MATH - 2270  Linear Algebra  3.00 CR
Designed for mathematics and pre-engineering majors. Covers matrix and vector analysis and systems of equations with applications, linear dependence and independence, matrix algebra and invertibility, determinants and their applications, Cramer's Rule, diagonalization, eigenvalues and eigenvectors, linear transformations (kernel and range), inner product and orthogonality. Covers vector spaces and subspaces, including null and column and bases. Introduces basic proof theory. Uses lecture, text assignments, student presentations and discussions. Successful completion enhances students' post-calculus mathematical skills. Prerequisite: Math 1210 with an earned grade of C or better. 3 lecture hours per week.

MATH - 2280  Ordinary Differential Equation  3.00 CR
Designed for mathematics and pre-engineering majors. Covers methods of solving ordinary differential equations with applications. Separation of variable, homogeneous and non-homogeneous, exact, first and higher order, integrating factors, substitution methods, linear and non-linear, complex characteristic roots, variation of parameters, undetermined coefficients (superposition and annihilator approach) and Euler-Cauchy will be covered. Systems of equations, power series solutions, and the Laplace transform will be introduced. Uses lecture, text assignments, student presentations, and class discussion. Successful completion enhances students' post-calculus mathematical skills with applications. Prerequisites: Math 2210 and Math 2270 with an earned grade of C or better. (Concurrent enrollment allowed.) 3 lecture hours per week.

MATH - 2983  TI-83 Calculator Skills  1.00 CR
A course designed specifically to aid students in using the TI-83 calculator. A study guide will be provided, with demonstrations projected overhead for students to follow as they learn through hands-on experience. Covered features include basic computations, graphing techniques, and matrices. The TI-82 is similar to the TI-83. Students with TI-82 calculators are also welcomed to enroll. Prerequisite: Own or have access to TI-83, TI-83 Plus, or TI-82 calculator. One lecture hour per week.

MATH - 2989  TI-89 Calculator Skills  1.00 CR
A course designed specifically to aid students in using the TI-89 calculator. A study guide will be provided, with demonstrations projected overhead for students to follow as they learn through hands-on experience. Covered features include basic computation, matrices, graphing, and calculus applications. The TI-92 and TI Voyage 200 calculators are similar to the TI-89 and are also acceptable tools for the course. Prerequisite: Own or have access to TI-89, TI-92 or TI Voyage 200 calculator. One lecture hour per week.

MATH - 2990  Seminars in Math  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either student demand or some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. The seminar courses provides a variable credit context for these purposes. This seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

MATH - 3000  History of Mathematics  3.00 CR
Designed for all interested students. This course is a brief survey of the history of mathematics and its impact on world culture. Emphasis will be on the principal ideas of importance in the development of the subject, mathematical motivations and applications. This course partially fulfills requirements for Mathematics Endorsements Level 4 through the Utah State Office of Education. Offered upon sufficient demand. Prerequisite: MATH 1220 (with an earned grade of C or better). 3 lecture hours per week.

MATH - 3100  Euclidean/Non-Euclidean Gmtry  3.00 CR
Designed primarily for education majors. This course includes axiomatic development of geometry: Euclidean and non-Euclidean. This course partially fulfills requirements for Mathematics Endorsements Level 3 and 4 through the Utah State Office of Education. Offered upon sufficient demand. Prerequisite: MATH 1220 (with an earned grade of C or better). 3 lecture hours per week.
MATH - 3200  Intro to Analysis  3.00 CR
Designed for those interested in advanced mathematics. This course introduces the construction of rigorous proofs of mathematical claims in beginning analysis. This course partially fulfills requirements for Mathematics Endorsements Level 3 and 4 through the Utah State Office of Education. Offered upon sufficient demand. Prerequisite: MATH 2210 and 2280 (with an earned grade of C or better). 3 lecture hours per week.

MATH - 3310  Discrete Mathematics  3.00 CR
Designed primarily for students majoring in computer science. Topics include logic (including Boolean), set theory, functions, prepositional calculus, graph theory, combinatorics and counting methods. Prerequisite: Math 1100 or 1210 (with an earned grade of C or better). (Offered spring semesters.) 3 lecture hours per week.

MATH - 3400  Probability and Statistics  3.00 CR
Designed for students in majors that require math-based statistics. This course is a study of probability theory and mathematical statistics including applications. This course partially fulfills requirements for Mathematics Endorsements Level 3 and 4 through the Utah State Office of Education. Offered upon sufficient demand. Prerequisite: MATH 1220 (with an earned grade of C or better). 3 lecture hours per week.

MATH - 4000  Foundations of Algebra  3.00 CR
Designed for students in all math-related majors. This course covers an introduction to algebraic systems including groups, rings, fields and sets. This course partially fulfills requirements for Mathematics Endorsements Level 3 and 4 through the Utah State Office of Education. Offered upon sufficient demand. Prerequisite: MATH 1220 (with an earned grade of C or better). 3 lecture hours per week.

MATH - 4500  Methods/Tchg Sec School Math  3.00 CR
Designed for education majors. This course covers methods, remedial instruction and curriculum development for secondary school mathematics. Includes applications of calculators and computers in mathematics. This course partially fulfills requirements for Mathematics Endorsements Level 2-4 through the Utah State Office of Education. Offered upon sufficient demand. Prerequisite: MATH 1210 (with an earned grade of C or better). 3 lecture hours per week.

MGMT - 1650  Supervision Management  3.00 CR
Designed to teach a target group of two-year college students, newly appointed working supervisors and employer identified participants of in-house training programs. It is an effort to provide preparation in areas such as the functions of organizations, communications, personnel management, leadership, motivational factors, employee appraisal, productivity and career paths for supervisors. Students will have an opportunity to exercise management decision-making skills and problem-solving techniques through the use of group discussions and up-to-date case analysis in relevant situations. 3 lecture hours per week.

MGMT - 2050  Business Law  3.00 CR
Survey of legal environment for business majors or students with interest in business law. Cover the legal system including dispute resolution, property crimes, fundamental principles of tort liability, government regulation of enterprise and individuals, contracts, and sales. 3 lecture hours per week.

MGMT - 2600  Entrepreneurship  3.00 CR
This is an introductory course designed to acquaint the entrepreneurial minded student with the advantages and disadvantages of owning and/or operating his/her business. The steps necessary for starting a small business will be covered. The construction of a business prospectus on a business of the student's choice will give the potential entrepreneur the opportunity to pursue his/her own individual career interests as well as provide some "hands on" exposure to the real world of business. 3 lecture hours per week.

MGMT - 2620  Principles of Management  3.00 CR
This comprehensive course covers the four traditional functions of management in planning, organizing, leading and controlling. In addition, specialized topics are covered, such as international issues and global competition, employee-participation, empowerment, TQM, teams and team structures, information systems, time-based competition, and chaos theory. Practical case studies and a computer simulation are used to gain realism in the course. Completers can go directly into work situations with an overall understanding of the workplace or onto a university degree program with greater depth than the usual junior level student. 3 lecture hours per week.

MGMT - 3200  Small Business Management  3.00 CR
Addresses practical solutions to common problems and decisions facing the small business manager such as financing, inventory control, cash flow, personnel management, taxes, customer service, etc. 3 lecture hours per week. Prerequisites: ACCT 2010, MGMT 3400, ENGL 2010 and advanced standing in the business baccalaureate program.

MGMT - 3400  Management and Organizations  3.00 CR
Surveys management theory and the elements and variables that influence organizations. Examines the structure and design of organizations and the management tools used in planning, organizing, directing, controlling, leading, and coordinating in organizations. Prerequisite: Advanced standing in the business baccalaureate program. 3 lecture hours per week.
Examination of selected ethical issues in business and technology, e.g., justice, corporate responsibility, preferential treatment, advertising practices, environmental responsibility, confidentiality, and privacy and government regulation. Prerequisite: ENGL 1010 with a grade of C or better. 2 lecture hours per week.

MGMT - 3600 Production and Operations 3.00 CR
Focuses on the management of resources for products or services within an organization. Covers facility location and layout, planning, and operational processes. Emphasizes product/service development, forecasting, inventory control, quality assurance, and research techniques. Prerequisites: STAT 2040 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

MGMT - 3700 Organizational Behavior 3.00 CR
In-depth examination of behavioral theories and research. Focuses on the individual in such areas as socialization, motivation, communication, leadership, decision-making, conflict resolution, team-building, and adaptation to change. Emphasis is on the application of behavioral and organizational theory to develop student's managerial, leadership, and interpersonal skills. Prerequisites: MGMT 3400 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

MGMT - 4000 Purchasing and Supply Mgmt 3.00 CR
Course will introduce students to the basic elements, issues, and problems of modern purchasing and supply management processes and practices. Emphasis will be given to identifying and solving purchasing and supply management problems. Prerequisite: MGMT 3600 (can be concurrently enrolled). 3 lecture hours per week.

MGMT - 4200 Business Internships I 1.00 - 3.00 CR
Prerequisite: Advanced standing in the business baccalaureate program and advisor permission required.

MGMT - 4210 Business Internships II 1.00 - 3.00 CR
Prerequisites: MGMT 4200, advanced standing in the business baccalaureate program, and advisor permission required.

MGMT - 4300 Human Resource Mgmt 3.00 CR
Covers labor/management relations, harassment, discrimination, and legal issues. Emphasizes job analysis, design, recruiting, selection, placement, and orientation. Provides tools for the implementation of a human resource management program. Prerequisite: Advanced standing in the business baccalaureate program. 3 lecture hours per week.

MGMT - 4400 International Business 3.00 CR
An exploration of the role of multinational corporations in worldwide economic development with emphasis on complexities confronting US firms operating in international markets. Explores international business, trade and foreign investment, and theories of international trade, economic development and international investment, as well as the many international agencies, (government and private), which affect international business by informing, regulating or financing it. Develops an appreciation of the unpredictable forces of foreign environments and explores how the international businessman responds to these influences. Prerequisites: MKTG 3010 (can be concurrently enrolled) and advanced standing in the business baccalaureate program. 3 lecture hours per week.

MGMT - 4600 Six Sigma 3.00 CR
Six Sigma is a discipline, data driven approach to improving the quality and efficiency of any process. It is a proven business methodology with real financial benefits to the organization. This practical, hands-on course will teach the participant the basic concepts of Six Sigma and provide experience using those concepts and tools on a real-world business project. It is recommended that students take the course for two consecutive semesters in order to participate in a project from start to finish. The emphasis will be on practical tools and techniques which will give the participant the knowledge to get started working on any process from healthcare to manufacturing. Prerequisite: MGMT 3600. 3 lecture hours per week.

MGMT - 4610 Six Sigma 3.00 CR
Six Sigma is a discipline, data driven approach to improving the quality and efficiency of any process. It is a proven business methodology with real financial benefits to the organization. This practical, hands-on course will teach the participant the basic concepts of Six Sigma and provide experience using those concepts and tools on a real-world business project. It is recommended that students take the course for two consecutive semesters in order to participate in a project from start to finish. The emphasis will be on practical tools and techniques which will give the participant the knowledge to get started working on any process from healthcare to manufacturing. Prerequisite: MGMT 3600. 3 lecture hours per week.
**Designed as the capstone course for the Bachelor's Degree in Business Administration.** Focuses on the role of the manager in dealing with strategic business challenges, the integration of functional areas, policy formulation and implementation. **Prerequisites:** ACCT 3050, FIN 3150, MGMT 3400, MGMT 3600, MGMT 4400, MKTG 3010 (courses can be concurrently enrolled) and advanced standing in the business baccalaureate program. 3 lecture hours per week.

**MGMT - 4900**  
Independent Research I  
1.00 - 3.00 CR  
Independent research/readings in areas not fully covered by core or elective courses. Prerequisite: Advanced standing in the business baccalaureate program and advisor permission required.

**MGMT - 4910**  
Independent Research II  
1.00 - 3.00 CR  
Provides additional independent research/readings opportunities in areas not fully covered by current core or elective courses. Prerequisites: MGMT 4900, advanced standing in the business baccalaureate program, and advisor permission required.

**MGMT - 4950**  
Seminars in Business  
1.00 - 3.00 CR  
Special topics in Business Management offered periodically under this number. Prerequisite: Advanced standing in the business baccalaureate program.

**MILS - 1200**  
Introduction to Leadership I  
2.00 CR  
Introduces cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army, and its advantages for the student. Corequisite: MILS 1201. 2 lecture hours per week.

**MILS - 1201**  
Intro to Leadership I Lab  
0.00 CR  
Studies the dynamics of leadership of groups and individuals in a field environment. Provides opportunities for students to apply leadership principles and techniques in challenging situations to further prepare them for leadership positions in the military or in any career field they choose. Lab fee required. Corequisite: MILS 1200. 2 and one half lab hours per week.

**MILS - 1210**  
Introduction to Leadership II  
2.00 CR  
Overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Cadre role models and the building of stronger relationships among the cadets through common experience and practical interaction are critical aspects of the MILS 1210 experience. Corequisite: MILS 1211. 2 lecture hours per week.

**MILS - 1211**  
Intro to Leadership II Lab  
0.00 CR  
Studies the dynamics of leadership of groups and individuals in a field environment. Provides opportunities for students to apply leadership principles and techniques in challenging situations to further prepare them for leadership positions in the military or in any career field they choose. Lab fee required. Corequisite: MILS 1210. 2 and one half lab hours per week.

**MILS - 2200**  
Foundations of Leadership I  
2.00 CR  
Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of Army rank, structure, and duties and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldiers Creed and Warrior Ethos as they apply in the contemporary operating environment (COE). Corequisite: MILS 2201. 2 lecture hours per week.

**MILS - 2201**  
Fdns of Leadership Lab I  
0.00 CR  
Studies the dynamics of leadership of groups and individuals in a field environment. Provides opportunities for students to apply leadership principles and techniques in challenging situations to further prepare them for leadership positions in the military or in any career field they choose. Lab fee required. Corequisite: MILS 2200. 2 and one half lab hours per week.

**MILS - 2210**  
Foundations of Leadership II  
2.00 CR
Examines the challenges of leading tactical teams in the COE (contemporary operating environment). The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. This course provides a smooth transition into the advanced ROTC courses. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real world scenarios. Corequisite: MILS 2211. 2 lecture hours per week.

**MILS - 2211**  
**Fdns of Leadership II Lab**  
0.00 CR

Studies the dynamics of leadership of groups and individuals in a field environment. Provides opportunities for students to apply leadership principles and techniques in challenging situations to further prepare them for leadership positions in the military or in any career field they choose. Lab fee required. Corequisite: MILS 2210. 2 and one half lab hours per week.

**MILS - 3200**  
**Tactical Leadership**  
3.00 CR

Challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, cadets continue to develop their leadership and critical thinking abilities. The focus is developing tactical leadership abilities of cadets to enable them to succeed at ROTC summer Leadership Development and Assessment Course (LDAC). Prerequisite: MILS 1200, MILS 1210, MILS 2200, MILS 2210 or basic training or summer Leadership Training Course (LTC). Corequisite: MILS 3201. 3 lecture hours per week.

**MILS - 3201**  
**Tactical Leadership Lab**  
0.00 CR

Studies the dynamics of leadership of groups and individuals in a field environment. Provides opportunities for students to apply leadership principles and techniques in challenging situations to further prepare them for leadership positions in the military or in any career field they choose. Lab fee required. Prerequisite: MILS 1200, MILS 1210, MILS 2200, MILS 2210 or basic training or summer Leadership Training Course (LTC). Co-requisite: MILS 3200. 2 and one half lab hours per week.

**MILS - 3210**  
**Applied Leadership**  
3.00 CR

This course uses increasingly intense situational leadership challenges to build cadet awareness and skills in leading small units. Skills in decision-making, persuading and motivating team members when under fire are explored, evaluated, and developed. Aspects of military operations are reviewed as a means of preparing for the ROTC Leader Development and Assessment Course (LDAC). Cadets are expected to apply basic principles of the Law of Land Warfare, Army training, and motivation to troop leading procedures. Emphasis is also placed on conducting military briefings and developing proficiency in Garrison operation orders. Cadets are evaluated on what they know and do as leaders. Corequisite: MILS 3211. 3 lecture hours per week.

**MILS - 3211**  
**Applied Leadership Lab**  
0.00 CR

Studies the dynamics of leadership of groups and individuals in a field environment. Provides opportunities for students to apply leadership principles and techniques in challenging situations to further prepare them for leadership positions in the military or in any career field they choose. Lab fee required. Corequisite: MILS 3210. 2 and one half lab hours per week.

**MILS - 3250**  
**Staff Organ. and Operations**  
1.00 - 3.00 CR

Students enrolled in this course will participate as special project staff working on joint Army/campus ceremonies, leadership labs, field training exercises, community service events, and training camps. Prerequisite: Enrollment in ROTC. Variable credit course. Students should plan to spend 2-6 hours per week to meet course requirements.

**MILS - 4200**  
**Developmental Leadership**  
3.00 CR

This course develops cadet proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Cadets assess risk, make ethical decisions, and lead fellow ROTC cadets. Lessons on military justice and personnel processes prepare cadets to make the transition to Army officers. MS IV cadets analyze, evaluate, and instruct cadets at lower levels. Both their classroom and battalion leadership experiences are designed to prepare these cadets for their first unit of assignment. They identify responsibilities of key staff, coordinate staff roles, and use situational opportunities to teach, train, and develop subordinates. Prerequisites: MILS 1200, MILS 1210, MILS 2200, MILS 2210 or basic training or summer Leadership Training Course (LTC). Corequisite: MILS 4201. 3 lecture hours per week.

**MILS - 4201**  
**Developmental Leadership Lab**  
0.00 CR

Studies the dynamics of leadership of groups and individuals in a field environment. Provides opportunities for students to apply leadership principles and techniques in challenging situations to further prepare them for leadership positions in the military or in any career field they choose. Prepares seniors for service in the United States Army. Prerequisites: MILS 1200, MILS 1210, MILS 2200, MILS 2210 or basic training or summer Leadership Training Course (LTC). Lab fee required. Corequisite: MILS 4200. 2 and one half lab hours per week.

**MILS - 4210**  
**Adaptive Leadership**  
3.00 CR

This course explores the dynamics of leading in the complex situations of current military operations in the COE. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with nongovernmental organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing cadets for their first unit of assignment. It uses case studies, scenarios, and What Now, Lieutenant exercises to prepare cadets to face the complex ethical and practical demands of leading as commissioned officers in the United States Army. Corequisite: MILS 4211. 3 lecture hours per week.
and advanced standing in the business baccalaureate program. 3 lecture hours per week.

Consumer Behavior  

MKTG - 3450  

This course provides a strong understanding of the basic principles of consumer behavior. It will cover the psychological, sociological, and anthropological bases of consumer behavior as they relate to consumer purchasing and consumption habits. Prerequisites: MKTG 3010 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

Marketing Principles  

MKTG - 3010  

Provides the student with a basic background in the broad field of marketing. Examines the processes that direct the planning and execution of the conception, pricing, promotion, and distribution of ideas, goods, and services to create exchanges that will satisfy individual and organizational objectives. Topics include international implications of all areas, consumer behavior, product and distribution channel strategies, and pricing and promotional strategies. Prerequisite: Advanced standing in the business baccalaureate program. 3 lecture hours per week.

Marketing Essentials  

MKTG - 2550  

This course is aimed at the two-year business students to familiarize them with the vocabulary and the basic understanding of the marketing concepts. It gives an overview of the process of target marketing, marketing opportunities, product and distribution decisions, integrated marketing communications and pricing policies. Emphasis is given to the practical decisions to be made at the small business level and the coming Internet methods. 3 lecture hours per week.

Retail Advertising  

MKTG - 2540  

Designed for anyone interested in either a career in advertising or managing their own business. The course will focus on those aspects of advertising that would be important to anyone responsible for the planning and implementation of an advertising program within a business, especially a small or independent business. Students will receive “hands on” experience in developing an overall promotional plan for a business. Completers should be qualified to manage the overall promotional plan of a small or independent business. 2 lecture hours per week.

Principles of Display  

MKTG - 2520  

For business/marketing majors and other students with an interest in the retail industry. Course covers the fundamental principles and elements of display necessary for effective visual presentation of both goods and services. Proper techniques for windows, interior, exterior, pinning and flying, and remote display will be covered. Ample opportunities to view, critique and construct displays are given. Completers should be qualified to work as entry level display designers and installers or maintain the visual merchandising portion of their own business. 2 lecture hours per week.

Marketing Skills Improvement  

MKTG - 1540  

Designed to allow current DECA students the opportunity to upgrade their marketing and management skills and prepare for competition through marketing and management skills, through actual participation in actual business simulations and case problems. A wide variety of marketing and management skill areas will be covered. May be repeated for credit. Corequisite: MKTG 1530. One lecture hour per week.

Dex Deca Marketing Club  

MKTG - 1530  

A marketing association (DECA Club) available to students majoring in marketing or business related areas. Affiliated with the Distributive Education Clubs of America, members are entitled to all privileges of that national organization. Provides an opportunity for leadership development and offers additional marketing-related activities and competition not available in any class. An annual membership fee is required. May be repeated for credit. One lecture hour per week.

Special Project  

MILS - 4350  

Special project staff work for Army campus ceremonies, Leadership labs, field training exercises, and training camps. Limited to ROTC cadets with the rank of Company or Battalion positions. Prerequisites: MILS 1200, MILS 1210, MILS 2200, MILS 2210 or basic training or summer Leadership Training Course (LTC). Instructor permission required. 3 lab hours per week.

Ranger Preparation  

MILS - 4250  

Participation in Army ROTC Ranger Challenge and Mountain Ranger programs. Advanced military training with practical application of skills taught in MILS 1200-4210. Prerequisite: MILS 4210. Instructor permission required. 3 lab hours per week.

Adaptive Leadership Lab  

MILS - 4211  

Studies the dynamics of leadership of groups and individuals in a field environment. Provides opportunities for students to apply leadership principles and techniques in challenging situations to further prepare them for leadership positions in the military or in any career field they choose. Prepares seniors for service in the United States Army. Prepares senior cadets for service in the United States Army. Lab fee required. Corequisite: MILS 4210. 2 and one half lab hours per week.

Ranger Preparation  

MILS - 4250  

Participation in Army ROTC Ranger Challenge and Mountain Ranger programs. Advanced military training with practical application of skills taught in MILS 1200-4210. Prerequisite: MILS 4210. Instructor permission required. 3 lab hours per week.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MKTG - 3500</td>
<td>Promotion Management</td>
<td>3.00 CR</td>
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<tr>
<td></td>
<td>Provides an understanding of advertising, its purposes, and production. Includes sequence of activities in preparing productive, persuasive marketing and advertising campaign plans. Covers the social, legal, and economic considerations involved in the campaign planning process. Prerequisites: MKTG 3010 and ENGL 2010 and advanced standing in the business baccalaureate program. 3 lecture hours per week.</td>
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<tr>
<td>MKTG - 4700</td>
<td>Marketing Strategy</td>
<td>3.00 CR</td>
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<td></td>
<td>Integration of finance, marketing, and economic concepts in analyzing marketing decision making and planning. Utilizes cases, projects and computer simulations of real work situations. Prerequisites: MKTG 3010 and senior standing in business program. 3 lecture hours per week.</td>
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<tr>
<td>MUSC - 1000</td>
<td>Concert Attendance</td>
<td>0.00 CR</td>
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<td>This course is required for Music majors. Emphasizes critical listening of a wide range of music literature and performances. Requires attendance at a minimum of 8 concerts/recitals per semester. Required for 4 semesters. Prepares students with models for future recitals. Requires attendance at evening performances. 1 lab hour per week.</td>
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<tr>
<td>MUSC - 1001</td>
<td>Freshman Music Experience</td>
<td>1.00 CR</td>
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<td>This course is required for all music majors. Introduction to the music area and its programs, department policies and procedures, career options, and curriculum. Includes observation outside class. Introduces music technology required for later work. Assignments may include group projects, technology exercises, and reflective essays/journals. Students will understand the expectations and rigor of the music major. 2 lab hours per week.</td>
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<tr>
<td>MUSC - 1010</td>
<td>Introduction to Music *FA</td>
<td>3.00 CR</td>
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<td>For all students, including those with an emphasis in music or those seeking to fill the general education fine arts requirement. An introductory survey of the elements, style periods, and standard repertoire of Western traditional art music. Emphasis given to improving the student's listening skills. Includes lecture, demonstration, and discussion of representative musical examples and historical background on composers and musical genres. Assignments may include attendance at specific concerts, written projects, and individual listening. Students who successfully complete this course will gain a broader knowledge of musical elements and how they are characteristically used in each major style period, along with developing better listening skills through perception, understanding, and practice. 3 lecture hours per week.</td>
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<tr>
<td>MUSC - 1100</td>
<td>Fundamentals of Music</td>
<td>3.00 CR</td>
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<td>For students desiring to begin or review their basic musical education. Teaches fundamental music terminology, rhythm and clef reading, key signatures, intervals, chord construction, and principles of musical structure. Lecture and class discussion of representative examples. Assignments are designed to give students practical experience in applying the concepts discussed in class. Students who successfully complete this course will be more proficient in reading rhythm and meter, writing and hearing scales, intervals, and chords. Good remedial course for those not prepared for Music Theory. 3 lecture hours per week.</td>
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<tr>
<td>MUSC - 1110</td>
<td>Music Theory I</td>
<td>3.00 CR</td>
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<td>Designed for students with an emphasis in music. This course is the first year of music theory study. The course deals with structural elements in melodic organization, triads, voice leading, nonharmonic tones, seventh chords, modulation, in the context of traditional four-part harmony; also two-part tonal counterpoint. Corequisite: MUSC 1130. Prerequisite: Applicable knowledge of the fundamentals of music and basic keyboard skills. Series must be taken in sequence. 3 lecture hours per week.</td>
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<tr>
<td>MUSC - 1120</td>
<td>Music Theory II</td>
<td>3.00 CR</td>
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<td>Designed for students with an emphasis in music. This course is the second of music theory study. The course deals with structural elements in melodic organization, triads, voice leading, nonharmonic tones, seventh chords, modulation, in the context of traditional four-part harmony; also two-part tonal counterpoint. Corequisite: MUSC 1140. Prerequisite: Applicable knowledge of the fundamentals of music and basic keyboard skills. Series must be taken in sequence. 3 lecture hours per week.</td>
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<tr>
<td>MUSC - 1130</td>
<td>Ear Training &amp; Sight Singing I</td>
<td>1.00 CR</td>
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<td>Designed for students with an emphasis in music. This course is the first in a series of four ear training and sight singing study dealing with aural and sight singing skills paralleling the theoretical material of Music Theory. Corequisite: MUSC 1110. Simple keyboard skills necessary. Series must be taken in sequence, with each course prerequisite to the next. 2 lab hours per week.</td>
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<td>MUSC - 1140</td>
<td>Ear Training/Sight Singing II</td>
<td>1.00 CR</td>
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<td>Designed for students with an emphasis in music. This course is the second in a series of four ear training and sight singing study dealing with aural and sight singing skills paralleling the theoretical material of Music Theory. Simple keyboard skills necessary. Series must be taken in sequence, with each course prerequisite to the next. Prerequisite: MUSC 1130. Corequisite: MUSC 1120. 2 lab hours per week.</td>
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</table>
For non-music majors and non-keyboard music majors. Introduction to piano technique, music notation, elementary theory, reading, harmonization and transposition. Lab includes demonstrations, activities, individualized instruction and solo and ensemble experience. Repertoire reinforces concepts taught, and includes standard works by major composers. Prepares students to harmonize major and minor melodies, play major and minor scales, primary chords and arpeggios, sight-read, and perform repertoire to level of Bach minuets. Series to be taken in sequence, with each course being prerequisite to the next course. Separate sections for music majors when enrollment permits. 2 lab hours per week.

MUSC - 1150 Group Piano Instruction I 1.00 CR

MUSC - 1160 Group Piano Instruction II 1.00 CR

For non-music majors and non-keyboard music majors. Introduction to piano technique, music notation, elementary theory, reading, harmonization and transposition. Lab includes demonstrations, activities, individualized instruction and solo and ensemble experience. Repertoire reinforces concepts taught, and includes standard works by major composers. Prepares students to harmonize major and minor melodies, play major and minor scales, primary chords and arpeggios, sight-read, and perform repertoire to level of Bach minuets. Series to be taken in sequence, with each course being prerequisite to the next course. Separate sections for music majors when enrollment permits. Prerequisite: MUSC 1150. 2 lab hours per week.

MUSC - 1200 Concert Choir 1.00 CR

MUSC 1200 is open to all students through an audition. Teaches students performance skills in music and movement. Covers musical elements such as rhythm, pitch, blend and balance. Uses choral rehearsals techniques. Includes outside class time for performance including evenings/weekends. Requires an audition. Instructor permission required. 5 ensemble hours per week.

MUSC - 1210 Vocal Theatre Performance 1.00 CR

This course is designed for students participating as vocal performers for the annual musical produced by the Theatre program. Student vocalists and choir members work closely with their conductor in developing supporting and on-stage performances. 2 ensemble hours per week.

MUSC - 1250 Chamber Singers 1.00 CR

A small ensemble, choral music experience designed for the general student interested in musical enrichment as well as for students with an emphasis in music. The student will develop advanced concepts of good choral singing including balance, blend, intonation, tone, and interpretation while experiencing a wide variety of musical styles from the Renaissance to the twentieth-century (classical and popular styles). Students will actively participate in regular rehearsals and public performances. Fulfills elective credits and may be repeated for credit. 4 ensemble hours per week.

MUSC - 1270 Men's Chorus 1.00 CR

This selected chorus is designed for male singers with advanced choral music experience. The student will develop singing skills through rehearsals and performances of appropriate musical literature from Medieval to vocal jazz. 2 ensemble hours per week.

MUSC - 1280 Women's Chorus 1.00 CR

This selected chorus is designed for female singers with advanced choral music experience. The student will develop singing skills through rehearsals and performances of appropriate musical literature from Medieval to vocal jazz. Fulfills elective credits and may be repeated for credit. 2 ensemble hours per week.

MUSC - 1290 The Vocal Jazz Project 1.00 CR

A small choral ensemble of advanced singers dedicated to the study and performance of vocal jazz literature. The student will develop advanced concepts of good choral singing including balance, blend, intonation, tone, and interpretation through appropriate small ensemble vocal jazz literature. Students will actively participate in regular rehearsals and public performances. Fulfills elective credits and may be repeated for credit. Prerequisite: Audition required. 2 ensemble hours per week.

MUSC - 1310 Symphony Band 1.00 CR

This course is a performing ensemble for all interested musicians with instrumental or band experience in high school as well as for students with an emphasis in music. This course is a participation type class and provides the student experience in a large ensemble where they are able to practice their instrument while working on the fundamentals of ensemble playing (tone quality, balance, blend, dynamics, etc.) as well as the more advanced concepts of good musicianship (phrasing, rhythms, sight reading, interpretation, etc.). The course also exposes the student to the standard band repertoire as well as the more recent or contemporary literature. Course may be repeated for credit. No prerequisites or auditions required. 4 ensemble hours per week.
The course will be able to teach themselves from standard sheet music. Can be repeated for credit. 2 lab hours per week.

**MUSC - 1330**  
**Jazz Ensemble**  
1.00 CR  
This course is for the instrumental musician with an interest or emphasis in the study and performance of jazz music. Students in this ensemble should have some previous experience in this medium as well as have a basic understanding of improvisation. Exposes the student to various styles of music including swing, Latin, rock and ballads through the medium of the "big band" (5 saxes, 5 trumpets, 5 trombones, piano, bass, drums, guitar). Course of study includes sight reading, improvisation and performance. May be repeated for credit. Co-requisite: MUSC 1310, Symphony Band. Audition may be necessary. 4 ensemble hours per week.

**MUSC - 1350**  
**Symphony Orchestra**  
1.00 CR  
The symphony orchestra is a performing ensemble for all interested musicians with instrumental orchestra and/or band experience in high school as well as for music majors. Symphony Orchestra includes winds, brass, strings, and percussion. This class focuses on the symphonic literature of the 16th, 17th, 18th, 19th, and 20th century composers. Students will develop sight reading, rehearsal, and public performance skills as well as a knowledge and appreciation for the repertoire. Course may be repeated for credit. No prerequisites or auditions required. 5 ensemble hours per week.

**MUSC - 1370**  
**Guitar Ensemble**  
1.00 CR  
Performance class for guitar students to gain experience playing in ensemble situations, reading music and rhythms, and following a director. Students will need to be able to read music for guitar in 1st position. The ensemble will perform in many situations. This class will meet important ensemble requirements for performance majors. Prerequisite: Read Music, 1st position chords. 3 ensemble hours per week.

**MUSC - 1730**  
**Group Vocal Instruction I**  
1.00 CR  
For students desiring basic vocal training. This training will cover basic singing technique including breathing, registration, vowel and consonant formation, and overall coordination of the singing mechanism. An understanding of both the theory and practice of these techniques will be explored. The course is intended for future music educators as well as students who wish to improve their own singing. In-class singing of exercises and song literature of various popular and classical styles. Students will be required to sing solo before the class as part of daily activities. Students who successfully complete this course will have an understanding of the basics of singing which will provide a foundation for the continuation of singing activities throughout their lives. Fulfills elective credits. May be repeated for credit for a maximum of 2 credits. 2 lab hours per week.

**MUSC - 1740**  
**Percussion Study**  
1.00 CR  
The course is required for Instrumental Music Education majors. It also fulfills music elective credit for other music degree emphases. Teaches historic background of percussion instruments and their pedagogy and performance. Classes will consist of lecture, hands-on playing, and assembling materials for future reference. Course objectives include mastering basic percussion stroke and applying it to various instruments and utilizing techniques and proper stick/mallet to produce desired timbres. Completers should be qualified to identify and remedy percussion performance errors in grade 6-12 music. 2 lab hours per week.

**MUSC - 1750**  
**String Study**  
1.00 CR  
This course is required for Instrumental Music Education majors. It also fulfills music elective credit for other music degree emphases. It covers the history of string instruments and their pedagogy and performance as well as potential methodologies to use in public school curriculum. Classes will consist of lecture, hands-on playing, and assembling materials for future reference. Course objectives include mastery of right and left hand techniques for string instruments. Those who complete the course will be qualified to identify and remedy string playing performance errors in grades 6-12 music. 2 lab hours per week.

**MUSC - 1760**  
**Brass Study**  
1.00 CR  
This course is required for Instrumental Music Education majors. It also fulfills music elective credit for other music degree emphases. Teaches historic background of brass instruments and their pedagogy and performance. Classes will consist of lecture, hands-on playing, and assembling materials for future reference. Course objectives include mastering embouchures and fingerings for varied brass instruments. Completers should be qualified to identify and remedy brass playing performance errors in grades 6-12 music. 2 lab hours per week.

**MUSC - 1770**  
**Woodwind Study**  
1.00 CR  
This course is required for Instrumental Music Education majors. It also fulfills music elective credit for other music degree emphases. Teaches historic background of woodwind instruments and their pedagogy and performance. Classes will consist of lecture, hands-on playing, and assembling materials for future reference. Course objectives include mastering embouchures and fingerings for varied woodwind instruments. Completers should be qualified to identify and remedy woodwind playing performance errors in grades 6-12 music. 2 lab hours per week.

**MUSC - 1790**  
**Beginning Guitar**  
1.00 CR  
An introduction for all students interested in guitar. Teaches students to play chords, strum and fingerpick patterns, and read music in first position. Uses lecture, text and guest lecturers. Students must practice three hours per week. Students who successfully complete this course will be able to teach themselves from standard sheet music. Can be repeated for credit. 2 lab hours per week.
### Intermediate Guitar

MUSC - 1800  **Intermediate Guitar**  1.00 CR

This course is for students with basic skills that wish to advance their abilities. Students should be familiar with first position chords, basic accompaniment styles and read music in first position before taking this course. Teaches students bar chords, chords with added bass notes, advanced accompaniment, improvisation, arranging skills and reading in upper positions. Students who successfully complete this course will have a thorough knowledge of the guitar fingerboard. Can be repeated for credit. 2 lab hours per week.

### Priv Appl I Non-Mus Maj: Vocal

MUSC - 1801  Priv Appl I Non-Mus Maj:Vocal  1.00 CR

Private music lessons designed for the general education student seeking to increase skills in vocal performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. 1 individual hour per week.

### Priv Appl I Non-Mus Maj: Piano

MUSC - 1802  Pri Appl I Non-Mus Maj:Piano  1.00 CR

Private music lessons designed for the general education student seeking skills in piano performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. 1 individual hour per week.

### Priv Appl I Non-Mus Maj: Brass

MUSC - 1803  Pri Appl I Non-Mus Maj:Brass  1.00 CR

Private music lessons designed for the general education student seeking to increase skills in brass performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. 1 individual hour per week.

### Priv Appl I Non-Mus Maj: String

MUSC - 1804  Pri Appl I Non-Mus Maj:String  1.00 CR

Private music lessons designed for the general education student seeking to increase skills in string performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. 1 individual hour per week.

### Priv Appl I Non-Mus Maj: WWind

MUSC - 1805  Pri Appl I Non-Mus Maj:WWind  1.00 CR

Private music lessons designed for the general education student seeking to increase skills in woodwind performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. 1 individual hour per week.

### Priv Appl I Non-Mus Maj: Guitar

MUSC - 1806  Pri Appl I Non-Mus Maj:Guitar  1.00 CR

Private music lessons designed for the general education student seeking to increase skills in guitar performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. 1 individual hour per week.

### Priv Appl I Non-Mus Maj: Organ

MUSC - 1807  Pri Appl I Non-Mus Maj:Organ  1.00 CR

Private music lessons designed for the general education student seeking to increase skills in organ performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. 1 individual hour per week.

### Priv Appl I Non-Mus Maj: Percuss

MUSC - 1808  Pri Appl I Non-Mus Maj:Percuss  1.00 CR

Private music lessons designed for the general education student seeking to increase skills in percussion performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. 1 individual hour per week.

### Priv Appl Mus Ed Major I: Vocal

MUSC - 1810  Priv Appl Mus Ed Major I:Vocal  1.00 CR

Private vocal instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Includes a 60-minute lesson and a one-hour performance class per week.

### Priv Appl Mus Ed Major I: Piano

MUSC - 1811  Priv Appl Mus Ed Major I:Piano  1.00 CR

Private piano instruction designed for music majors. Courses may be repeated once for a maximum of 2 credits. Fee required. Includes a 60-minute lesson per week, and a one-hour performance class per week.
Private brass instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Includes one 60-minute lesson per week and a one-hour performance class per week.

Private string lessons designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Includes one 60-minute lesson per week and a one-hour performance class per week.

Private woodwind instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Includes one 60-minute lesson per week and a one-hour performance class per week.

Private guitar instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Includes one 60-minute lesson per week and a one-hour performance class per week.

Private organ instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Includes one 60-minute lesson per week and a one-hour performance class per week.

Private percussion instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Includes one 60-minute lesson and a one-hour performance class per week.

Private music lessons designed for vocal performance students. Course may be repeated for a maximum of 2 credits. Participation in departmental recitals required. Lab fees required. Instructor permission required. One 60-minute lesson per week and one performance class per week.

Private music lessons designed for piano performance students. Course may be repeated for a maximum of 2 credits. Participation in departmental recitals required. Lab fee required. Instructor permission required. One 60-minute lesson per week and one performance class per week.

Private music lessons designed for brass performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. One 60-minute lesson per week and one performance class per week.

Private music lessons designed for string performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. One 60-minute lesson per week and one performance class per week.

Private music lessons designed for woodwind performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. One 60-minute lesson per week and one performance class per week.
MUSC - 1845  Pvt Appl I Perform: Guitar 2.00 CR
Private music lessons designed for guitar performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. One 60-minute lesson per week and one performance class per week.

MUSC - 1846  Pvt Appl I Perform: Organ 2.00 CR
Private music lessons designed for organ performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. One 60-minute lesson per week and one performance class per week.

MUSC - 1850  Basic Guitar Improvisation 1.00 CR
For any student interested in the basics of guitar improvisation. These skills are taught using the guitar, but they may be applied to other instruments. Students should be familiar with first position chords, basic accompaniment styles, and read music in first position before taking this class. 2 lab hours per week.

MUSC - 1851  Pvt Appl I Perform: Percussion 2.00 CR
Private music lessons designed for percussion performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. One 60-minute lesson per week and one performance class per week.

MUSC - 1890  Vocal Study 1.00 CR
This course is required for Choral Music Education majors. This course will prepare the instrumentalist with the basic tools for instructing vocal and choral students. Objectives include proper breathing, establishment of range, singing techniques, use of the voice, vowel production and modification. Classes will consist of lecture, group and solo singing, and assembling materials for future reference. Those who complete the course will be qualified to identify and remedy choral performance errors in grade 6-12 music. 2 lab hours per week.

MUSC - 2110  Music Theory III 3.00 CR
Designed for students with an emphasis in music. This course is the second year of music theory study. The course includes the study of chromatic harmony, 16th and 18th century counterpoint, 20th century compositional techniques, formal and harmonic analysis. Prerequisite: MUSC 1120. The series must be taken in sequence. 3 lecture hours per week.

MUSC - 2120  Music Theory IV 3.00 CR
Designed for students with an emphasis in music. This course is the second year of music theory study. The course includes the study of chromatic harmony, 16th and 18th century counterpoint, 20th century compositional techniques, formal and harmonic analysis. Prerequisite: MUSC 2110. The series must be taken in sequence. 3 lecture hours per week.

MUSC - 2130  Ear Training/Sight Singing III 1.00 CR
Designed for students with an emphasis in music. This course is the third in a series of four of ear training and sight singing study dealing with aural and sight singing skills paralleling the theoretical material of Music Theory. Simple keyboard skills necessary. Series must be taken in sequence, with each course prerequisite to the next. Prerequisite: MUSC 1140. Corequisite: MUSC 2110. 2 lab hours per week.

MUSC - 2140  Ear Training/Sight Singing IV 1.00 CR
Designed for students with an emphasis in music. This course is the fourth in a series of four of ear training and sight singing study dealing with aural and sight singing skills paralleling the theoretical material of Music Theory. Simple keyboard skills necessary. Series must be taken in sequence, with each course prerequisite to the next. Prerequisite: MUSC 2130. Corequisite: MUSC 2120. 2 lab hours per week.

MUSC - 2150  Group Piano Instruction III 1.00 CR
For music majors. Third course in a series of four. Piano technique, sight-reading, accompanying, improvisation, transposition, and performance skills. Prerequisite: MUSC 1160. 2 lab hours per week.

MUSC - 2160  Group Piano Instruction IV 1.00 CR
For music majors. Fourth course in a series of four. Piano technique, sight-reading, accompanying, improvisation, transposition, and performance skills. Prerequisite: MUSC 2150. 2 lab hours per week.
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<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MUSC - 2240</td>
<td>So Utah Heritage Choir</td>
<td>1.00 CR</td>
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<td>A large ensemble choral music experience designed primarily for members of the community interested in the performance of sacred choral music. The student will develop advanced concepts of good choral singing including balance, blend, intonation, tone, and interpretation while learning music from various styles, periods and geographical locations. Students will actively participate in regular rehearsals and public performances. Fulfills elective credits and may be repeated for credit. Audition required. 3 ensemble hours per week.</td>
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<tr>
<td>MUSC - 2250</td>
<td>Southwest Chorale</td>
<td>1.00 CR</td>
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<td>A large ensemble choral music experience designed primarily for members of the community interested in musical enrichment. The Chorale frequently performs with the Southwest Symphony Orchestra. The student will develop advanced concepts of good choral singing including balance, blend, intonation, tone, and interpretation while experiencing a wide variety of musical styles from the Renaissance to the twentieth-century (classical and popular styles) with an emphasis on major choral and orchestral works. Students will actively participate in regular rehearsals and public performances. Fulfills elective credits and may be repeated for credit. Prerequisite: Audition for instructor. 2 ensemble hours per week.</td>
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<tr>
<td>MUSC - 2260</td>
<td>Southwest Symphony Orchestra</td>
<td>1.00 CR</td>
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<td>This class, a full symphony orchestra, is for community performers and college students with orchestral experience. The course includes many orchestral works from the various style periods including Baroque, Classic, Romantic and 20th Century. Concepts and musical style are taught through participation. Students in this ensemble should be accomplished on their instrument and studying privately. Previous experience is also a necessary qualification. The ensemble performs several times each year--symphonies, oratorios, concertos, overtures, etc. May be repeated for credit. Prerequisite: Concurrent enrollment in MUSC 1350 and audition for instructor. 3 ensemble hours per week.</td>
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<tr>
<td>MUSC - 2350</td>
<td>Fundamentals of Conducting</td>
<td>2.00 CR</td>
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<td>For students with an emphasis in music, and for other students with an interest in ensemble conducting. Covers the fundamental aspects of conducting choral and/or instrumental groups as well as some more advanced topics. Students are involved in instrumental and vocal conducting. Concert attendance for purposes of viewing other conductors is required. Students must have some background in vocal or instrumental ensembles and be able to read music. Students who successfully complete this course will be able to conduct choral and instrumental music. 2 lecture hours per week.</td>
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<tr>
<td>MUSC - 2650</td>
<td>Piano Pedagogy I</td>
<td>2.00 CR</td>
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<td>For music majors emphasizing piano instruction and piano teachers who wish to improve their craft. Designed to prepare qualified pianists to teach piano effectively and to acquaint them with new materials and techniques from beginning to intermediate levels. Principles taught include: rhythm, technique, sight-reading, harmonization, transposition, practice skills private and group lesson pedagogies, and learning styles. This course is the first of two in a series. Prerequisite: MUSC 1530 or concurrent enrollment. 2 lecture hours per week.</td>
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<tr>
<td>MUSC - 2660</td>
<td>Piano Pedagogy II</td>
<td>2.00 CR</td>
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<tr>
<td></td>
<td>For music majors emphasizing piano instruction and piano teachers who wish to improve their craft. Designed to prepare qualified pianists to teach piano effectively and to acquaint them with new materials and techniques from intermediate through advanced levels. Principles taught include: rhythm, technique, sight-reading, harmonization, transposition, practice skills private and group lesson pedagogies, and learning styles. Prerequisite: MUSC 2650. 2 lecture hours per week.</td>
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<tr>
<td>MUSC - 2710</td>
<td>Theatre Orchestra</td>
<td>1.00 CR</td>
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<td>This course is designed for students participating as musicians for the pit orchestra and supports the accompanying needs of the annual musical produced by the Theatre program. Student musicians work closely with their conductor in developing score dynamics, tempo and tone to accompany on-stage performances. 3 ensemble hours per week.</td>
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<tr>
<td>MUSC - 2810</td>
<td>Priv Appl Mus Ed Maj II: Vocal</td>
<td>1.00 CR</td>
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<td>Private vocal instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 1810. Includes a 60-minute lesson and a one-hour performance class per week.</td>
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<tr>
<td>MUSC - 2811</td>
<td>Priv Appl Mus Ed Maj II: Piano</td>
<td>1.00 CR</td>
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<td>Private piano instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 1811. Includes a 60-minute lesson, and a one-hour performance class per week.</td>
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<tr>
<td>MUSC - 2812</td>
<td>Priv Appl Mus Ed Maj II: Brass</td>
<td>1.00 CR</td>
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<td>Private brass instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 1812. Includes one 60-minute lesson per week, and a one-hour performance class per week.</td>
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<tr>
<td>MUSC - 2813</td>
<td>Priv Appl Mus Ed Maj II:String</td>
<td>1.00 CR</td>
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<td>Private string instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 1813. Includes one 60-minute lesson per week and a one-hour performance class per week.</td>
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<td>MUSC - 2814</td>
<td>Priv Appl MusEd Maj II: WWinds</td>
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<td>Private woodwind instruction</td>
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<td>designed for music majors.</td>
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<td>Course may be repeated</td>
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<td>for a maximum of 2 credits.</td>
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<td>Fee required.</td>
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<td>Prerequisite: MUSC 1814.</td>
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<td>Includes one 60-minute lesson</td>
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<td>per week and a one-hour</td>
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<td>performance class per week.</td>
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<tr>
<td>MUSC - 2815</td>
<td>Priv Appl Mus Ed Maj II: Guitar</td>
<td>1.00 CR</td>
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<td></td>
<td>Private guitar instruction</td>
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<td>designed for music majors.</td>
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<td>Courses may be repeated</td>
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<td>once for a maximum of 2 credits.</td>
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<td>Prerequisite: MUSC 1815.</td>
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<td>Includes one 60-minute lesson</td>
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<td>and a one-hour performance class</td>
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<td>per week.</td>
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<tr>
<td>MUSC - 2816</td>
<td>Priv Appl Mus Ed Maj II: Organ</td>
<td>1.00 CR</td>
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<td>Private organ instruction</td>
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<td>designed for music majors.</td>
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<td>Course may be repeated once</td>
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<td>for a maximum of 2 credits.</td>
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<td>Prerequisite: MUSC 1816.</td>
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<td>Includes one 60-minute lesson</td>
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<td>and a one-hour performance class</td>
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<td>per week.</td>
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<td>MUSC - 2821</td>
<td>Priv Appl Mus Ed Maj II: Percuss</td>
<td>1.00 CR</td>
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<td></td>
<td>Private percussion instruction</td>
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<td>designed for music majors.</td>
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<td>Course may be repeated once</td>
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<td>Prerequisite: MUSC 1921.</td>
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<td>Includes one 60-minute lesson</td>
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<td>and a one-hour performance class</td>
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<td>MUSC - 2840</td>
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<td>2.00 CR</td>
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<td>Private music lessons</td>
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<td></td>
<td>designed for vocal performance</td>
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<td>for a maximum of 2 credits.</td>
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<td>Participation in departmental</td>
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<td>recitals required.</td>
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<td>Lab fee required.</td>
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<td></td>
<td>Prerequisite: MUSC 1840.</td>
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<td>Instructor permission required.</td>
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<td>One 60-minute lesson per week and</td>
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<td></td>
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<td>2.00 CR</td>
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<td>Private music lessons designed</td>
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<td></td>
<td>for piano performance students.</td>
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<td></td>
<td>Course may be repeated</td>
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<td></td>
<td>for a maximum of 4 credits.</td>
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<td>Participation in departmental</td>
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<td>recitals required.</td>
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<td>Prerequisite: MUSC 1841.</td>
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<td>One 60-minute lesson per week and</td>
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<td>one performance class per week.</td>
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<td>MUSC - 2842</td>
<td>Pvt Appl II Perform: Brass</td>
<td>2.00 CR</td>
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<td>Private music lessons designed</td>
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<td></td>
<td>for brass performance students.</td>
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<td>Course may be repeated</td>
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<td>for a maximum of 4 credits.</td>
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<td>Participation in departmental</td>
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<td>Fee required.</td>
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<td></td>
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<td>one performance class per week.</td>
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<tr>
<td>MUSC - 2843</td>
<td>Pvt Appl II Perform: String</td>
<td>2.00 CR</td>
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<td></td>
<td>for string performance students.</td>
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<td>Course may be repeated</td>
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<td>for a maximum of 4 credits.</td>
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<td>Participation in departmental</td>
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<td>recitals required.</td>
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<td>Prerequisite: MUSC 1843.</td>
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<td>One 60-minute lesson per week and</td>
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<td>one performance class per week.</td>
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<td>Pvt Appl II Perform: Woodwind</td>
<td>2.00 CR</td>
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<td></td>
<td>for woodwind performance students.</td>
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<td>Course may be repeated</td>
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<td>for a maximum of 4 credits.</td>
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<td>Participation in departmental</td>
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<td>Prerequisite: MUSC 1844.</td>
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<td></td>
<td>one performance class per week.</td>
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<td>MUSC - 2845</td>
<td>Pvt Appl II Perform: Guitar</td>
<td>2.00 CR</td>
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<td>Private music lessons designed</td>
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<td></td>
<td>for guitar performance students.</td>
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<td>Course may be repeated</td>
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<td></td>
<td>for a maximum of 4 credits.</td>
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<td>Prerequisite: MUSC 1845.</td>
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<td>One 60-minute lesson per week and</td>
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<td>one performance class per week.</td>
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<td>MUSC - 2846</td>
<td>Pvt Appl II Perform: Organ</td>
<td>2.00 CR</td>
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<td>Private music lessons designed</td>
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<td></td>
<td>for ORGAN performance students.</td>
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<td>Course may be repeated</td>
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<td>for a maximum of 4 credits.</td>
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<td>Participation in departmental</td>
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<td>Prerequisite: MUSC 1846.</td>
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<td>One 60-minute lesson per week and</td>
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<td>one performance class per week.</td>
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MUSC - 2851  Pvt Appl II Perform:Percussion  2.00 CR
Private music lessons designed for percussion performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 1851. One 60-minute lesson per week and one performance class per week.

MUSC - 2865  Piano Skills and Literature I  2.00 CR
Basic keyboard techniques, including sight reading, transposition, improvisation, figured bass, scales, chords, and analysis. Introduction to the analysis of piano literature. 2 lecture hours per week.

MUSC - 2866  Piano Skills and Literature II  2.00 CR
Continuation of MUSC 2865. Basic keyboard techniques, including sight reading, transposition, improvisation, figured bass, scales, chords, and analysis. Introduction to the analysis of piano literature. Prerequisite: MUSC 2865. 2 lecture hours per week.

MUSC - 2990  Seminar in Music  0.50 - 3.00 CR
For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instrucor permission.

MUSC - 2992  Sem in Music  0.50 - 3.00 CR
For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the Department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instrucor permission.

MUSC - 2993  Seminar in Music  0.50 - 3.00 CR
For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Instructor permission required.

MUSC - 2994  Seminar in Music  0.50 - 3.00 CR
For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the Department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Instructor permission required.

MUSC - 2995  Sem in Music  0.50 - 3.00 CR
For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Instructor permission required.

MUSC - 3210  Vocal Theatre Performance  1.00 CR
This course is designed for students participating as vocal performers for the musicals produced by the Theatre program. Student vocalists and choir members work closely with their conductor in developing supporting and on-stage performances. 2 ensemble hours per week.
For students preparing to work with choral ensembles. This course is the study of the administration and teaching of choral music in secondary education. Instruction will include lecture, demonstration, in-class participation, written tests and assignments, and out-of-class projects. Upon completing this course, the student will have the necessary tools to organize, administer, and teach a choral ensemble. 2 lecture hours per week.

**MUSC - 3220 Choral Methods** 2.00 CR

For students interested in learning about choral repertoire. This course is a survey of western art music's choral literature suitable for secondary education. Course instruction will consist of lecture, demonstration, research assignments, written tests, and oral reports in class. Course completion will enable students to make educated and appropriate choral literature selections for their choirs. 2 lecture hours per week.

**MUSC - 3221 Choral Literature** 2.00 CR

This course is designed for students desiring to conduct choirs. The course will teach basic conducting techniques for conducting choral ensembles. Instruction will include lecture, demonstration, in-class participation, conducting examinations, and out-of-class assignments. Upon completing the course, students will be able to competently conduct a choral ensemble. 2 lecture hours per week.

**MUSC - 3222 Choral Conducting** 2.00 CR

A large ensemble, choral music experience designed for the general student interested in musical enrichment as well as for students with an emphasis in music. The student will develop advanced concepts of good choral singing including balance, blend, intonation, tone, and interpretation while experiencing a wide variety of musical styles from the Renaissance to the twentieth-century (classical and popular styles). Students will actively participate in regular rehearsals and public performances. Fulfills elective credits and may be repeated for credit. 4 ensemble hours per week.

**MUSC - 3250 Concert Choir** 1.00 CR

This selected chorus is designed for male singers with advanced choral music experience. The student will develop singing skills through rehearsals and performances of appropriate musical literature from Medieval to vocal jazz. Instructor permission required. Prerequisite: MUSC 1260. 2 ensemble hours per week.

**MUSC - 3260 Men's Chorus** 1.00 CR

A small ensemble choral music experience designed for singers of a more advanced ability than MUSC 1270. The student will develop advanced concepts of good choral singing including balance, blend, intonation, tone and interpretation through appropriate small ensemble literature from the Renaissance to the twentieth-century (classical and popular styles). Students will actively participate in regular rehearsals and public performances by the Chamber Singers. 4 ensemble hours per week.

**MUSC - 3270 Chamber Singers** 1.00 CR

This selected chorus is designed for female singers with advanced choral music experience. The student will develop singing skills through rehearsals and performances of appropriate musical literature from Medieval to vocal jazz. 2 ensemble hours per week.

**MUSC - 3280 Women's Chorus** 1.00 CR

This course is for all interested musicians with instrumental or band experience in high school as well as for students with an emphasis in music. This course is a participation type class and provides the student experience in a large ensemble where they are able to practice their instrument while working on the fundamentals of ensemble playing (tone quality, balance, blend, dynamics, etc.) as well as the more advanced concepts of good musicianship (phrasing, rhythms, sight reading, interpretation, etc.) This course also exposes the student to the standard band repertoire as well as the more recent or contemporary literature. Course may be repeated for credit. Prerequisite: MUSC 1310. No auditions required. 4 ensemble hours per week.

**MUSC - 3290 The Vocal Jazz Project** 1.00 CR

This course is for the instrumental musician with an interest or emphasis in the study and performance of jazz music. Students in this ensemble should have some previous experience in this medium as well as have a basic understanding of improvisation. Exposes the student to various styles of music including swing, Latin, rock and ballads through the medium of the "big band" (5 saxes, 5 trumpets, 5 trombones, piano, bass drums, guitar). Course of study includes sight reading, improvisation and performance. May be repeated for credit. Pre-requisite: MUSC 1330. Co-requisite: Concurrent enrollment in MUSC 1310 or 3310, Symphony Band. Audition may be necessary. 4 ensemble hours per week.
The Symphony Orchestra is a performing ensemble for all interested musicians with instrumental orchestra and/or band experience in high school as well as for music majors. Symphony Orchestra includes winds, brass, strings, and percussion. This class focuses on the symphonic literature of the 16th, 17th, 18th, 19th, and 20th century composers. Students will develop sight reading, rehearsal, and public performance skills as well as a knowledge and appreciation for the repertoire. Course may be repeated for credit. No auditions required. Prerequisite: MUSC 1350. 5 ensemble hours per week.

**MUSC - 3350 Symphony Orchestra**  
1.00 CR

**MUSC - 3380 Instrumental Conducting**  
2.00 CR

For students with an emphasis in music, and for other students with an interest in ensemble conducting. Covers the fundamental aspects of conducting choral and/or instrumental groups as well as some more advanced topics. Students are involved in instrumental and vocal conducting. Concert attendance for purposes of viewing other conductors is required. Students must have some background in vocal or instrumental ensembles and be able to read music. Students who successfully complete this course will be able to conduct choral and instrumental music. 2 lecture hours per week.

**MUSC - 3400 Music Composition**  
2.00 CR

This course is designed for students to improve and refine music writing skills within the Western Art Music tradition. In addition to writing for weekly lessons, students may be given additional listening and score study. Students are required to attend weekly seminars where topics in modern composition are discussed. 2 individual hours per week.

**MUSC - 3540 Form and Analysis**  
3.00 CR

Analytical study of forms from 18th Century to the present, including baroque contrapuntal structures and instrumental forms, classical sonata cycle and romantic part forms. Emphasizes written and aural analysis. Prerequisite: MUSC 2110. 3 lecture hours per week.

**MUSC - 3630 Music History and Lit I**  
3.00 CR

A comprehensive view of the evolution of the art of music as part of the social, cultural and ideological history of the western world, with emphasis upon selected masterworks: Middle Ages through Baroque. 3 lecture hours per week.

**MUSC - 3640 Music History and Lit II**  
3.00 CR

A comprehensive view of the evolution of the art of music as part of the social, cultural and ideological history of the western world with emphasis upon selected masterworks. Classical though 20th Century. Prerequisite: MUSC 3630. 3 lecture hours per week.

**MUSC - 3650 Music History and Lit III**  
3.00 CR

A comprehensive view of the evolution of the art of music as part of the social, cultural and ideological history of the western world, with emphasis upon selected masterworks: 19th Century to present. Prerequisite: MUSC 3640. 3 lecture hours per week.

**MUSC - 3801 Pri Appl II Non-Mus Maj:Vocal**  
1.00 CR

Private music lessons designed for the general education student seeking to increase skills in vocal performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. Prerequisite: MUSC 1801. 1 individual hour per week.

**MUSC - 3802 Pri Appl II Non-Mus Maj:Piano**  
1.00 CR

Private music lessons designed for the general education student seeking to increase skills in piano performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. Prerequisite: MUSC 1802. 1 individual hour per week.

**MUSC - 3803 Pri Appl II Non-Mus Maj:Brass**  
1.00 CR

Private music lessons designed for the general education student seeking to increase skills in brass performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. Prerequisite: MUSC 1803. 1 individual hour per week.

**MUSC - 3804 Pri Appl II Non-Mus Maj:String**  
1.00 CR

Private music lessons designed for the general education student seeking to increase skills in string performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. Prerequisite: MUSC 1804. 1 individual hour per week.
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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<td>Pri Appl II Non-Mus Maj:Percus</td>
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<tr>
<td>MUSC - 3816</td>
<td>Priv Appl Mus Ed Maj III:Organ</td>
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Private music lessons designed for the general education student seeking to increase skills in woodwind performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. Prerequisite: MUSC 1805. 1 individual hour per week.

Private music lessons designed for the general education student seeking to increase skills in guitar performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. Prerequisite: MUSC 1806. 1 individual hour per week.

Private music lessons designed for the general education student seeking to increase skills in organ performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. Prerequisite: MUSC 1807. 1 individual hour per week.

Private music lessons designed for the general education student seeking to increase skills in percussion performance either to satisfy immediate goals or to explore the possibilities of majoring in music. Course may be repeated for credit. Lab fees required. Prerequisite: MUSC 1808. 1 individual hour per week.

Private vocal instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 2810. Includes a 60-minute lesson per week and a one-hour performance class per week.

Private piano instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 2811. Includes a 60-minute lesson per week and a one-hour performance class per week.

Private brass instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 2812. Includes one 60-minute lesson per week, and a one-hour performance class per week.

Private string instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 2813. Includes a 60-minute lesson per week and a one-hour performance class per week.

Private woodwind instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 2814. Includes one 60-minute lesson per week and a one-hour performance class per week.

Private guitar instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 2815. Includes one 60-minute lesson per week and a one-hour performance class per week.

Private organ instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 2816. Includes one 60-minute lesson per week and a one-hour performance class per week.
Private percussion instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 2821. Includes one 60-minute lesson per week and a one-hour performance class per week.

MUSC - 3840 Priv Appl III Perfrom: Vocal 2.00 CR
Private music lessons designed for vocal performance students. Course may be repeated for a maximum of 2 credits. Participation in departmental recitals required. Lab fee required. Prerequisite: MUSC 2840. Instructor permission required. One 60-minute lesson per week and one performance class per week.

MUSC - 3841 Pvt Appl III Mus Perform:Piano 2.00 CR
Private music lessons designed for piano performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Lab fee required. Prerequisite: MUSC 2841. One 60-minute lesson and one performance class per week.

MUSC - 3842 Pvt Appl III Perform: Brass 2.00 CR
Private music lessons designed for brass performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 2842. One 60-minute lesson per week and one performance class per week.

MUSC - 3843 Pvt Appl III Perform: String 2.00 CR
Private music lessons designed for string performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 2843. One 60-minute lesson per week and one performance class per week.

MUSC - 3844 Pvt Appl III Perform: Woodwind 2.00 CR
Private music lessons designed for woodwind performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 2844. One 60-minute lesson per week and one performance class per week.

MUSC - 3845 Pvt Appl III Perform: Guitar 2.00 CR
Private music lessons designed for guitar performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 2845. One 60-minute lesson per week and one performance class per week.

MUSC - 3846 Pvt Appl III Perform: Organ 2.00 CR
Private music lessons designed for organ performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 2846. One 60-minute lesson per week and one performance class per week.

MUSC - 3851 Pvt Appl III Perform:Percussio 2.00 CR
Private music lessons designed for percussion performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 2851. One 60-minute lesson per week and one performance class per week.

MUSC - 3861 Diction for Singers I 2.00 CR
For vocal students interested in learning the International Phonetic Alphabet and the fundamentals of the proper pronunciation of English and Italian diction as it applies to singing. Students will learn via written and verbal assignments as well as singing in class. This course prepares students for the proper performance of English and Italian vocal literature as well as laying the foundation for future language study related to singing. This class is a prerequisite for MUSC 3862. 2 lecture hours per week.

MUSC - 3862 Diction for Singers II 2.00 CR
For vocal students interested in learning the fundamentals of the proper pronunciation of French and German diction as it applies to singing. Students will learn via written and verbal assignments as well as singing in class. This course prepares students for the proper performance of French and German vocal literature. Prerequisite: MUSC 3861. 2 lecture hours per week.
MUSC - 3890  Junior Recital  1.00 CR
This course is required for Music Performance majors. Applied instruction in preparation for and public performance of a 30 minute recital. Includes musical and extra-musical preparation. Successful completion should prepare students to perform publicly in a solo capacity. Prerequisite: Piano proficiency exam (exam or courses, see department advisor for details), and a junior-level private music course (MUSC 3840-3851). Instructor permission required. 1 individual hour per week.

MUSC - 4430  String Chamber Music  1.00 CR
This course offers training in string instrumental chamber ensembles such as trios, quartets, quintets, and sextets. Students will learn basic repertoire and improve small ensemble performance and rehearsal skills. This course is for those who are enrolled in private string lessons and participate in the Symphony Orchestra. Student groups will arrange to meet with faculty once a week and arrange weekly rehearsals on their own. Co-requisites: MUSC 1813, or 2813, or 3813, or 4813 and MUSC 1350. Instructor permission required. 2 ensemble hours per week.

MUSC - 4431  Woodwind Chamber Music  1.00 CR
For woodwind players seeking a small ensemble performance experience. Stresses the elements of good performance preparation: intonation, balance, blend, and tone production in a constant effort to increase musicality. Wide range of repertoire surveyed. Classes are spent in rehearsal and development for performances. Students who successfully complete this course will gain a great awareness of small ensemble rehearsal techniques and performance. May be repeated for credit. Instructor permission required. 2 ensemble hours per week.

MUSC - 4432  Brass Chamber Music  1.00 CR
For brass players seeking a small ensemble performance experience. Stresses the elements of good performance preparation: intonation, balance, blend, and tone production in a constant effort to increase musicality. Wide range of repertoire surveyed. Classes are spent in rehearsal and development for performances. Students who successfully complete this course will gain a greater awareness of small ensemble rehearsal techniques and performances. May be repeated for credit. Instructor permission required. 2 ensemble hours per week.

MUSC - 4485  Percussion Ensemble  1.00 CR
For Music majors and other students with an interest in performing percussion music. Stresses the elements of good performance preparation: including techniques unique to percussion instruments in a constant effort to increase musicality. Wide range of repertoire surveyed. Classes are spent in rehearsal and development for performances. Students who successfully complete this course will gain a greater awareness of small ensemble rehearsal techniques and performances. Prerequisite: Instructor permission required. May be repeated for credit. 2 ensemble hours per week.

MUSC - 4538  Orchestration  3.00 CR
The study of specific characteristics of all orchestral instruments in various combinations ranging from small ensembles to full orchestra. 3 lecture hours per week.

MUSC - 4560  Counterpoint and Analysis  3.00 CR
Introduction to the study of structural/formal analytical techniques of the 18th and 19th centuries. Writing and analysis of 18th century counterpoint through fugue. Prerequisite: MUSC 3540. 3 lecture hours per week.

MUSC - 4650  Pedagogy Practicum I  2.00 CR
Application of knowledge and skills gained in pedagogy courses. Student will prepare lesson plans, document progress, and evaluate their teaching assignments in private settings. Prerequisites: MUSC 2650 and MUSC 2660. 2 lecture hours per week.

MUSC - 4660  Pedagogy Practicum II  2.00 CR
Continuation of MUSC 4650. Application of knowledge and skills gained in pedagogy courses. Students will prepare lesson plans, document progress, and evaluation their teaching assignments in private settings. Prerequisite: MUSC 4650. 2 lecture hours per week.

MUSC - 4700  Choral Music Methods  3.00 CR
This course is required for Choral Music Education majors. Objectives include methods of organization, administration, and instruction relative to the instrumental music program of grades six through twelve. Uses small-group work, reflective essays, and observation. Completers will be qualified to student teach music in grades 6-12. Instructor permission required. 3 lecture hours per week.

MUSC - 4710  Instrumental Music Methods  3.00 CR
This course is required for Instrumental Music Education majors. Objectives include methods of organization, administration, and instruction relative to the instrumental music program of grades six through twelve. Uses small-group work, reflective essays, and observation. Completers will be qualified to student teach music in grades 6-12. Instructor permission required. 3 lecture hours per week.
Private vocal instruction designed for music majors. Course may be repeated for a maximum of 2 credits. Fee required. Prerequisite: MUSC 3810. Includes a 60-minute lesson and a one-hour performance class per week.

Private piano instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 3811. Includes a 60-minute lesson per week, and a one-hour performance class per week.

Private brass instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 3812. Includes one 60 minute lesson per week and a one-hour performance class per week.

Private string instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 3813. Includes one 60-minute lesson per week and a one-hour performance class per week.

Private woodwind instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 3814. Includes a 60-minute lesson per week and a one-hour performance class per week.

Private guitar instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 3815. Includes one 60-minute lesson per week and a one-hour performance class per week.

Private organ instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 3816. Includes one 60-minute lesson per week and a one-hour performance class per week.

Private percussion instruction designed for music majors. Course may be repeated once for a maximum of 2 credits. Fee required. Prerequisite: MUSC 3821. Includes one 60-minute lesson per week and a one-hour performance class per week.

String Pedagogy

This course is required for Instrumental Performance Majors who are studying a string instrument and plan on a career which involves teaching a string instrument. It also is an elective for other music majors. This course will cover the historical string pedagogy and past and current teaching methods. 2 lecture hours per week.

String Literature

This course is a requirement for Instrumental Performance Majors who are studying a string instrument. It also is a music elective for other music majors. This course is designed to acquaint students with the basic string repertoire in violin, viola, cello and bass and other materials and resources for a career as a string teacher. 2 lecture hours per week.

Priv Appl IV Perform: Vocal

Private music lessons designed for vocal performance students. Course may be repeated for a maximum of 2 credits. Participation in departmental recitals required. Lab fee required. Prerequisite: MUSC 3840. Instructor permission required. One 60-minute lesson per week and one performance class per week.
Private music lessons designed for piano performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Lab fee required. Prerequisite: MUSC 3841. One 60-minute lesson and one performance class per week.

Private music lessons designed for brass performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 3842. One 60-minute lesson per week and one performance class per week.

Private music lessons designed for string performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 3843. One 60-minute lesson per week and one performance class per week.

Private music lessons designed for woodwind performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 3844. One 60-minute lesson per week and one performance class per week.

Private music lessons designed for guitar performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 3845. One 60-minute lesson per week and one performance class per week.

Private music lessons designed for organ performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 3846. One 60-minute lesson per week and one performance class per week.

Private music lessons designed for percussion performance students. Course may be repeated for a maximum of 4 credits. Participation in departmental recitals required. Fee required. Prerequisite: MUSC 3851. One 60-minute lesson per week and one performance class per week.

For students interested in learning about the pedagogy of singing. This course is a study of the physics of singing, vocal anatomy and physiology and their application to singing as well as their implications for teaching singing. Course instruction will consist of lecture, demonstration, research assignments, written tests, and practical applications in class. This course equips students to better understand their own voices and how to teach others the art of singing. 2 lecture hours per week.

For students interested in learning about "classical" solo song repertoire. This course is a survey of western art music's solo vocal literature. Course instruction will consist of lecture, demonstration, research assignments, written tests, and oral reports in class. Course completion will enable students to make educated and appropriate solo literature selections. 2 lecture hours per week.

History of piano literature and performance practices from the Baroque period to the Classical period. 2 lecture hours per week.

History of piano literature and performance practices from the Romantic period to the present. 2 lecture hours per week.
MUSC - 4890  Senior Recital  1.00 CR
This course is required for Music Performance Majors. Applied instruction in preparation for and public performance of a 30 minute recital. Includes musical and extra-musical preparation. Successful completion should prepare students to perform publicly in a solo capacity. Prerequisite: Piano proficiency exam (exam or courses, see department advisor for details), and a junior-level private music course (MUSC 3840-3851). Instructor permission required. 1 individual hour per week.

NFS - 1000  Breadmaking  1.00 CR
This course is open to students and community members who are interested in working with yeast and non-yeast breads. Techniques of basic bread making are taught through practical application. Some lecture, but the primary focus is on actual preparation and evaluation of bread dough products. Successful students should be able to trouble shoot problems and prepare a variety of appealing breads. Lab required. 1 lecture and 2 lab hours per week.

NFS - 1005  Breadmaking LAB  0.00 CR
A laboratory course to be taken concurrently with NFS 1000. Fee required. 2 lab hours per week.

NFS - 1020  Sci Fndtns of Nutrition *LS  3.00 CR
This course is open to all students who eat and have an interest in human nutrition and how it relates to individual dietary requirements. May be of particular interest to students with an emphasis in Food, Nutrition, and Family Consumer Science, Child Development, Nursing, or other health related fields. Various periods during the life cycle-infancy, childhood, adolescence, pregnancy, and the later years--and their specific nutrient needs will be analyzed as well as the basic nutrients and how they are absorbed and used by the body. Other areas of focus will include nutrition for athletes, eating disorders, weight control and food safety. Includes lecture, multi-media, applied nutrition group activities, guest lecturers and computer analysis of personal diet. Students will record and analyze their own diet using software provided by the test. 3 lecture hours per week.

NFS - 1030  Lifespan Fitness & Nutrition  2.00 CR
This course is open to all students with an interest in learning appropriate fitness and nutrition practices over the lifespan. May be of special interest to athletes, and students studying nutrition or physical fitness. Basic nutrition and fitness concepts will be taught. Weight control, nutrition for the athlete, low fat and healthy cooking, and stress management will be emphasized. Includes lecture, Fitness Center activities, group work, dietary analysis and food labs. Students will develop an individualized fitness and nutrition plan. 2 lecture hours per week.

NFS - 1240  Food Prep Skills & Techniques  3.00 CR
Food for Life is open to all students with an interest in food preparation techniques and healthful nutrition practices for the lifespan. Recommended for students with an emphasis in Foods, Nutrition, or Family Consumer Science. Covers the principles and practices of food preparation, healthful food choices, consumer and health information and the management of meals, food, time, and economic resources. Includes preparation of food, lectures, group projects and field trips. Students completing this class should be able to use and apply a variety of food preparation and meal management techniques and nutrition concepts. Lab required. 2 lecture hours and 2 lab hours per week.

NFS - 1245  Food Prep/Skills/Tech LAB  0.00 CR
A lab course to be taken concurrently with NFS 1240. Fee required. 2 lab hours per week.

NFS - 2020  Nutrition and Food Science  3.00 CR
For students studying nutrition, health sciences, or health professionals who work in both individual and community health programs. Includes the application of nutrition principles to the human life cycle, nutrient function, needs sources and alterations during pregnancy, lactation, growth development, maturation and aging. Different types of nutritional assessment are covered and used. Course taught using lecture, labs, activities, guest lecturers and student projects. Prerequisite: NFS 1020. 3 lecture hours per week.

NFS - 2120  Infant and Child Nutrition  3.00 CR
For students studying Early Childhood and Elementary Education, Nutrition, or others to plan to have or work with children. Discusses nutrient needs and strategies for meeting the needs of infants, toddlers, preschool, and school age children. Covers menu planning for children in day care and preschool settings and methods for teaching nutrition to children. Uses guest speakers, student presentations, lecture, observations and group work. Prepares students to work in day care and preschool settings and to teach nutrition to children. Satisfies the requirement for Child Development Concentration towards early childhood teaching endorsement. Prerequisite: NFS 1020. 3 lecture hours per week.

NFS - 2990  Seminar Nutrition Food Wellness  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered, and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.
Certified Nursing Assistant

NURS - 1005
Prepares students in the knowledge, skills, and responsibilities required for certification as a nursing assistant by the state of Utah. Fee required. 3 lecture hours and various lab/clinical hours required.

Nursing Assistant Lab

NURS - 1006
Focus on skills necessary for nursing assistant practice in a laboratory environment. Part of the minimum 80 hours State requirement.

Nursing Assistant Clinical

NURS - 1007
Provides hands on clinical training in the long term care setting to reinforce nurse assistant skills learned in classroom and laboratory. A minimum of 24 clinical hours required.

Pharmacology I

NURS - 1010
Introductory course teaching the basic principles of pharmacology as it applies to the nursing process. Includes calculation of dosages and safe administration of medications to patients across the lifespan. Classification of drugs, and drug related actions and reactions in various body systems. Emphasis on nursing interventions which examines the desired outcome of drug therapy. Encourages development of critical thinking, therapeutic communication, technical skills, leadership/management skills, effective time management, professional behavior and caring. Prerequisite: Acceptance into practical nursing program. Corequisites: NURS 1200, NURS 1250, NURS 1260, and NURS 1300. 2 lecture hours per week.

Medical/Surgical Nursing I

NURS - 1100
Fundamental medical/surgical nursing concepts are introduced. Emphasis on utilization of the nursing process to meet the practical nursing care requirements of clients. Human relations training is embedded within this course as human needs/interpersonal communication are constants in the nurse/client relationship. Prerequisite: Acceptance into the practical nursing program. Corequisites: NURS 1010, and NURS 1105. Course fee required. 4.8 lecture hours per week.

Medical/Surgical Nursing I Lab

NURS - 1101
Focus on technical nursing skills practiced in a laboratory setting. Corequisites: NURS 1100, NURS 1105.

Medical/Surgical Nursing I Cln

NURS - 1105
Clinical experience in simulation laboratory. Focus on developing care plan and learning nursing process while caring for the older adult client. Corequisites: NURS 1100, NURS1101.

Maternal/Newborn Nursing I

NURS - 1200
Focus on meeting basic human needs of the family and newborn throughout the childbearing cycle. Increased development of nursing skills is based on an understanding of principles and facts relative to nursing care during and immediately after childbirth. Focus on the normal pregnancy, labor/delivery, newborn, and postpartum clients. The course work encourages the development of critical thinking, therapeutic communication, technical skills, leadership management skills, effective time management, professional behavior and caring. Prerequisites: NURS 1100 and acceptance into the practical nursing program. Corequisites: NURS 1010, NURS 1201, NURS 1205, NURS 1250, NURS 1260, NURS 1300. 1.3 lecture hours per week.

Maternal/Newborn Nursing I Lab

NURS - 1201
Focus on skills necessary to care for postpartum and newborn clients. Corequisites: NURS 1200 and NURS 1205.

Maternal/Newborn Nursing I Cln

NURS - 1205
PREPARES STUDENT FOR ENTRY INTO PRACTICE AS A LICENSED PRACTICAL NURSE

NURS 1100 2.00 CR
Prepares student for entry into practice as a Licensed Practical Nurse through clinical practice. Prerequisite: NURS 1100. Corequisites: NURS 1010, NURS 1200, NURS 1251, NURS 1255, NURS 1260 and NURS 1300.

NURS 1250 2.00 CR
Pediatric Nursing I
Focus on skills necessary in the nursing care of pediatric clients and families. Participation in simulation experience included. Corequisites: NURS 1250, NURS 1255.

NURS 1251 0.00 CR
Pediatric Nursing I Lab

NURS 1255 0.00 CR
Pediatric Nursing I Clinic

NURS 1260 1.50 CR
Psych Nursing I
Explores simple needs and behaviors of psychiatric clients. Examines the roles and functions of the psychiatric nurse. Encourages the development of critical thinking, therapeutic communication, technical skills, leadership/management skills, effective time management, professional behavior and caring. Theories, medications, diagnostic criteria, community resources, working with other health care disciplines/professionals is included. Prerequisites: NURS 1100. Corequisites: NURS 1010, NURS 1200, NURS 1250, NURS 1260, NURS 1300. 1 lecture hour per week.

NURS 1265 0.00 CR
Psychiatric Nursing I Clinical
Focus is on provision of nursing care for psychiatric clients in the community. This is the clinical portion of NURS 1260. Corequisite: NURS 1260.

NURS 1300 2.50 CR
Entry into Practice I
Prepares student for entry into practice as a Licensed Practical Nurse through clinical practice. Course fee required. Prerequisite: NURS 1100. Corequisites: NURS 1200, NURS 1250, NURS 1260, NURS 1305.

NURS 1305 0.00 CR
Entry into Practice I Clinical
Clinical experience with the adult client in acute medical/surgical settings. Corequisite: NURS 1300.

NURS 2100 8.50 CR
Medical/Surgical Nursing II
Prepares the student to function within the scope of practice of the registered nurse. Emphasis on more complex physiological and psychosocial needs of adult patients using the nursing process. It encourages the development of critical thinking, therapeutic communication, technical skills, leadership/management skills, effective time management, professional behavior and caring. Complex integrated care is provided for medical/surgical patients in the RN level of nursing. Human relations training is embedded within this course as human needs/therapeutic communication are constants in the nurse/client relationship. Course fee required. Prerequisite: Acceptance into the associate degree nursing program. Corequisites: NURS 2101, NURS 2105. 5 lecture hours per week.

NURS 2101 0.00 CR
Medical Surg. Nursing II Lab
Focuses on additional skills performed by the registered nurse. Builds on NURS 1101. Corequisites: NURS 2100, NURS 2105.

NURS 2105 0.00 CR
Medical Surg Nursing II Clinic
Clinical experience includes medical/surgical acute care units and specialty clinical areas. Corequisites: NURS 2100, NURS 2101.

NURS 2200 1.50 CR
Maternal/Newborn Nursing II
Focus on meeting complex needs of newborn and family throughout the childbearing cycle. Emphasis on roles of registered nurse in caring for high risk adult/newborn patients during antepartum, labor/delivery, and postpartum periods, and facilitation and understanding of diagnostic testing. Encourages development of critical thinking, therapeutic communication, technical skills, leadership/management skills, effective time management, professional behavior and caring. Prerequisite: NURS 2100. Corequisites: NURS 2250, NURS 2260, and NURS 2300. 1.5 lecture hours per week.
Focus on meeting complex needs of the pediatric client and family using critical thinking, therapeutic communication, technical skills, leadership/management skills, effective time management skills and the nursing process. Professional behavior and caring are emphasized. The role of the registered nurse is taught based on principles of health promotion, illness prevention, high risk illnesses and conditions likely to exist while working with children and their families in the acute care setting. Builds upon concepts learned in NURS 1250. Prerequisite: NURS 2100. Corequisites: NURS 2200, NURS 2260 and NURS 2300. 1 lecture hour per week.

Emphasis is on understanding psychiatric disorders, diagnostic criteria, nursing interventions and other disciplines in care planning for the psychiatric client. Builds upon concepts learned in NURS 1260. Prerequisite: NURS 2100. Corequisite: NURS 2200, NURS 2250, NURS 2265.

Theory designed to facilitate student transition into the role of registered nurse. Focus on synthesis and application of advanced nursing knowledge and skills. Prerequisite: NURS 2100. Corequisites: NURS 2200, NURS 2250, and NURS 2260. 1 lecture hour per week.

Emphasis is on understanding psychiatric disorders, diagnostic criteria, nursing interventions in care planning for the psychiatric client. Corequisite: NURS 2260. 16 clinical hours per semester.

Theory designed to facilitate student transition into role of registered nurse. The care of patients with complex heath care needs are managed with other health care practitioners. Corequisite: NURS 2300. 112 clinical hours per semester.

This course focuses on the transition to professional nursing role and responsibilities and explores the differences in ADN and BSN education and practice levels. The course explores the roles of the BSN nurse in the health care environment that includes: nurse educator, nurse leader, case manager, and community health nursing. Prerequisite: Acceptance into the BSN program.

This course focuses on the development of interviewing and physical assessment skills throughout the lifespan utilizing a holistic approach. The student will use critical thinking skills to evaluate assessment findings and differentiate between normal and abnormal variations. Prerequisites: NURS 3100 (can be concurrently enrolled) and BIOL 4400 and acceptance into the BSN program.

This course will introduce quantitative and qualitative research concepts, methodology, and techniques. The course will address the scientific approach, preliminary steps in research design, measurement and data collection, analysis of data, and critiquing. This course will emphasize the relationship between research and the practice of professional nursing. Prerequisites: NURS 3100, STAT 2040 and acceptance into the BSN program.

This online course focuses on nursing care of the older adult. Students will be exposed to best practices for care of the older adult; issues such as quality of life, elder abuse, cultural considerations, and restraint alternatives; normal physiologic changes of aging; pathological disease processes; cognitive and psychological changes; end-of-life care; and environments of care for the older adult. Prerequisite: Acceptance into the BSN program. Pre or Corequisite: NURS 3100.
NURS - 4020  Community Health Nursing/ONL  6.00 CR
This course prepares the baccalaureate student to function within the scope of professional nursing practice in the care of individuals, families, and groups in the community. In this course emphasis is placed on family assessment, community assessment, health promotion, health maintenance, and disease prevention. The past, present and future community service trends are explored and analyzed. Prerequisites: NURS 3100, NURS 3200, BIOL 4400 and acceptance into the BSN program. Corequisite: NURS 4025.

NURS - 4025  Community Health Nursing  0.00 CR
This is the clinical portion of NURS 4020. Corequisite: NURS 4020. 9 clinical hours per week.

NURS - 4030  Nursing Policy and Ethics/ONL  3.00 CR
This course addresses policy development, political influences and power, and nursing’s involvement in the policy-making process. Legislation past and present is examined and analyzed. Ethical theories, frameworks, and the process of ethical inquiry are explored as a basis for professional nursing practice, education, research, and decision-making. Prerequisites: NURS 3100 (can be concurrently enrolled) and acceptance into the BSN program.

NURS - 4040  Nursing Leadership Mgmt/ONLINE  5.00 CR
This course explores the role of the professional nurse as a leader and manager of patient care. Students will explore strategies, processes and techniques of the nurse leader and manager. Theories and principles of leadership and management and their application to the professional nursing role will be addressed. Prerequisites: NURS 3100 (can be concurrently enrolled) and acceptance into the BSN program. Corequisite: NURS 4041.

NURS - 4041  Nursng Leadership Mgt Clinical  2.00 CR
This clinical experience will allow the student based on the application of critical thinking processes to apply the theories and principles of leadership and management in practice. The course will provide a variety of leader and manager role experiences in multiple clinical settings. Corequisite: NURS 4040.

NURS - 4100  Senior Seminar  3.00 CR
This course synthesizes all previously learned knowledge and integrates the concepts of critical thinking, leadership and management, policy and ethics, cultural competence, and professional practice. The course will apply these concepts through the use of case studies, presentations, and written assignments. Prerequisites: NURS 3100, 3200, 3300, 3400, 3600, 4020, 4040, and acceptance into the BSN program.

NURS - 4200  Concentration Elective/ONLINE  4.00 - 6.00 CR
This course will allow the student to select a clinical area of interest and have an intensive didactic and clinical experience. The clinical component will focus on leadership and/or advanced clinical skills. Prerequisites: NURS 3100, NURS 3200, NURS 3300, NURS 3400, NURS 3600, NURS 4020, NURS 4040, and acceptance into the BSN program. Course is variable credit from 4-6 credits. 1 lecture and 9-15 clinical hours per week.

PEHR - 1005  Health Education  2.00 CR
This course is for students interested in up-to-date information about a variety of health topics. It teaches a health information framework to involve the student in activities related to various health issues. This class involves lectures, oral reports and videos. The purpose of this course is to enable students to make sound health related decisions. 2 lecture hours per week.

PEHR - 1010  Aerobic Dynamics  1.00 CR
Course for students interested in learning the fundamentals of individual fitness. Emphasizes fitness through a variety of cardiovascular formats, muscle conditioning and flexibility. This is an activity class. 2 activity classes per week.

PEHR - 1020  Step Workout  1.00 CR
Course for students to learn a variety of ways to use a Reebok step for cardiovascular training as well as muscular conditioning. This is an activity class designed to learn step aerobics as well as enhance fitness. 2 lecture hours per week.

PEHR - 1057  Kundalini Yoga  1.00 CR
The Kundalini Yoga course introduces students to the movement, meditation, and breath work practices of Kundalini Yoga. This course includes study from a text. The course presents yoga practices as a technology teaching self-awareness and consciousness. 2 lecture hours per week.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PEHR - 1085</td>
<td>Weight Training</td>
<td>1.00 CR</td>
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<tr>
<td></td>
<td>Course for students interested in learning the fundamentals of weight training. Course offered for men and women. Includes instruction designed to build and strengthen the body. This is an activity class. Students will receive supervised practice in various progressive resistance exercises. Students will learn basic of weight training as well as improve their body strength.</td>
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<tr>
<td>PEHR - 1088</td>
<td>Fitness Center I</td>
<td>1.00 CR</td>
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<td>Designed for students who desire to begin and sustain a fitness program at Dixie College. Teaches students to manage a fitness program and pursue lifelong fitness goals. Dixie College's Fitness Center is equipped with the finest fitness equipment, including dozens of aerobic and strength machines, and it is staffed by trained fitness instructors. Students may receive complete fitness assessments and have one of the instructors help develop a personalized exercise program. Students must attend a general orientation at the beginning of the quarter; however, thereafter, students use the fitness equipment at times that may be convenient to them to fulfill a required number of hours spent exercising. This series must be taken in succession. Each course is prerequisite to the next course. Course fee required.</td>
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<td>PEHR - 1089</td>
<td>Fitness Center II</td>
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<td>Designed for students who desire to begin and sustain a fitness program at Dixie College. Teaches students to manage a fitness program and pursue lifelong fitness goals. Dixie College's Fitness Center is equipped with the finest fitness equipment, including dozens of aerobic and strength machines, and it is staffed by trained fitness instructors. Students may receive complete fitness assessments and have one of the instructors help develop a personalized exercise program. Students must attend a general orientation at the beginning of the quarter; however, thereafter, students use the fitness equipment at times that may be convenient to them to fulfill a required number of hours spent exercising. This series must be taken in succession. Each course is prerequisite to the next course. Course fee required.</td>
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<tr>
<td>PEHR - 1090</td>
<td>Fitness Center III</td>
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<td>Designed for students who desire to begin and sustain a fitness program at Dixie College. Teaches students to manage a fitness program and pursue lifelong fitness goals. Dixie College's Fitness Center is equipped with the finest fitness equipment, including dozens of aerobic and strength machines, and it is staffed by trained fitness instructors. Students may receive complete fitness assessments and have one of the instructors help develop a personalized exercise program. Students must attend a general orientation at the beginning of the quarter; however, thereafter, students use the fitness equipment at times that may be convenient to them to fulfill a required number of hours spent exercising. This series must be taken in succession. Each course is prerequisite to the next course. Course fee required.</td>
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<tr>
<td>PEHR - 1091</td>
<td>Fitness Center IV</td>
<td>1.00 CR</td>
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<td>Designed for students who desire to begin and sustain a fitness program at Dixie College. Teaches students to manage a fitness program and pursue lifelong fitness goals. Dixie College's Fitness Center is equipped with the finest fitness equipment, including dozens of aerobic and strength machines, and it is staffed by trained fitness instructors. Students may receive complete fitness assessments and have one of the instructors help develop a personalized exercise program. Students must attend a general orientation at the beginning of the quarter; however, thereafter, students use the fitness equipment at times that may be convenient to them to fulfill a required number of hours spent exercising. This series must be taken in succession. Each course is prerequisite to the next course. Course fee required.</td>
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<tr>
<td>PEHR - 1092</td>
<td>Fitness Center V</td>
<td>1.00 CR</td>
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<td></td>
<td>Designed for students who desire to begin and sustain a fitness program at Dixie College. Teaches students to manage a fitness program and pursue lifelong fitness goals. Dixie College's Fitness Center is equipped with the finest fitness equipment, including dozens of aerobic and strength machines, and it is staffed by trained fitness instructors. Students may receive complete fitness assessments and have one of the instructors help develop a personalized exercise program. Students must attend a general orientation at the beginning of the quarter; however, thereafter, students use the fitness equipment at times that may be convenient to them to fulfill a required number of hours spent exercising. This series must be taken in succession. Each course is prerequisite to the next course. Course fee required.</td>
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<tr>
<td>PEHR - 1093</td>
<td>Fitness Center VI</td>
<td>1.00 CR</td>
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<td>Designed for students who desire to begin and sustain a fitness program at Dixie College. Teaches students to manage a fitness program and pursue lifelong fitness goals. Dixie College's Fitness Center is equipped with the finest fitness equipment, including dozens of aerobic and strength machines, and it is staffed by trained fitness instructors. Students may receive complete fitness assessments and have one of the instructors help develop a personalized exercise program. Students must attend a general orientation at the beginning of the quarter; however, thereafter, students use the fitness equipment at times that may be convenient to them to fulfill a required number of hours spent exercising. This series must be taken in succession. Each course is prerequisite to the next course. Course fee required.</td>
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<tr>
<td>PEHR - 1094</td>
<td>Fitness Center VII</td>
<td>1.00 CR</td>
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<td></td>
<td>Designed for students who desire to begin and sustain a fitness program at Dixie College. Teaches students to manage a fitness program and pursue lifelong fitness goals. Dixie College's Fitness Center is equipped with the finest fitness equipment, including dozens of aerobic and strength machines, and it is staffed by trained fitness instructors. Students may receive complete fitness assessments and have one of the instructors help develop a personalized exercise program. Students must attend a general orientation at the beginning of the quarter; however, thereafter, students use the fitness equipment at times that may be convenient to them to fulfill a required number of hours spent exercising. This series must be taken in succession. Each course is prerequisite to the next course. Course fee required.</td>
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<tr>
<td>PEHR - 1095</td>
<td>Fitness Center VIII</td>
<td>1.00 CR</td>
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<td>Designed for students who desire to begin and sustain a fitness program at Dixie College. Teaches students to manage a fitness program and pursue lifelong fitness goals. Dixie College's Fitness Center is equipped with the finest fitness equipment, including dozens of aerobic and strength machines, and it is staffed by trained fitness instructors. Students may receive complete fitness assessments and have one of the instructors help develop a personalized exercise program. Students must attend a general orientation at the beginning of the quarter; however, thereafter, students use the fitness equipment at times that may be convenient to them to fulfill a required number of hours spent exercising. This series must be taken in succession. Each course is prerequisite to the next course. Course fee required.</td>
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<tr>
<td>PEHR - 1100</td>
<td>Beg Tennis</td>
<td>1.00 CR</td>
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<td>This course will provide the basics of tennis. Instruction will offer fundamentals that will give the student basic stroke orientation and rules, as well as scoring information to encourage further involvement in the sport. As an activity class, students will learn tennis with the intent of developing a lifetime leisure and social activity that will give hours of enjoyment as a family, social, and/or competitive activity. 2 activity classes per week.</td>
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This course is for those students who are interested in continuing their tennis with an expanded, more advanced skill development. As an activity course, they will learn more advanced techniques in strokes and strategy as it relates to singles and doubles play. This course is designed to improve the student's interest in the game of tennis and inspire the student to continue with tennis as a social outlet and recreational activity. 2 lecture hours per week.

**PEHR - 1101**  
**Interm Tennis**  
1.00 CR

Course for students interested in learning the basics of racquetball. Includes instruction in serving, return, and court strategy. This is an activity class designed to give the students playing time. Students will learn skills, rules, and proper etiquette as well as improving their skill level in racquetball. Course fee required. 2 lecture hours and various lab hours per week.

**PEHR - 1110**  
**Racquetball**  
1.00 CR

Course for students interested in learning the basics of golf. Includes instruction in the fundamentals of grip, stance, swing use of various clubs, rules, and scoring. This is an activity class designed to give the students playing time at the driving range and on the golf course. Students will learn knowledge of rules and etiquette as well as improving their skill level.

**PEHR - 1130**  
**Beg Golf**  
1.00 CR

Course for students interested in learning more golf skills. Teaches fundamentals of grip, stance, swing, use of clubs, as well as rules and scoring. Actual practice at the golf course will include putting and driving. Designed to improve student's golf skills, as well as provide activity. Prerequisite: PEHR 1130. Course fee required.

**PEHR - 1131**  
**Interm Golf**  
1.00 CR

Course for students who are interested in learning more golf skills. Teaches fundamentals of grip, stance, swing, use of clubs, as well as rules and scoring. Actual practice at the golf course will include putting and driving. Designed to improve student's golf skills, as well as provide activity. Prerequisite: PEHR 1130. Course fee required.

**PEHR - 1145**  
**Bowling**  
1.00 CR

Course for students interested in learning the fundamentals of bowling. Includes instruction in the stance, approach, release and roll. This is an activity class designed to give the students playing time. Students will learn knowledge of rules, scoring and etiquette as well as improving their skill level. Course fee required.

**PEHR - 1146**  
**Interm Bowling**  
1.00 CR

Course for students interested in continued development of the fundamentals of bowling. Includes instruction in the stance, approach, release and roll. This is an activity class designed to give the students playing time. Students will learn rules, scoring, and etiquette. Students will improve their bowling skill level. Course fee required. Two lecture/activity hours per week.

**PEHR - 1200**  
**Basketball**  
1.00 CR

Course for students interested in learning the basics of basketball. Includes instruction skills, such as dribbling, passing, shooting, team offense and defense, as well as knowledge of the game. This is an activity class designed to give the students playing time. Students will learn knowledge of basketball as well as improving their individual skill level. 2 activity classes per week.

**PEHR - 1210**  
**Volleyball**  
1.00 CR

Course for students interested in learning the basics of volleyball. Includes instruction in the fundamentals of service, passing, setting, and spiking, as well as knowledge of the rules of volleyball. This is an activity class designed to give the student playing time. Students will learn knowledge of volleyball as well as improving their individual skill level. 2 activity classes per week.

**PEHR - 1211**  
**Interm Volleyball**  
1.00 CR

Course for students interested in learning more skills in volleyball. This is an activity class, designed to improve student's volleyball skills, as well as provide activity. Prerequisite: PEHR 1210. 2 lecture hours per week.

**PEHR - 1225**  
**Softball**  
1.00 CR

Course for students interested in learning the basics of softball. Includes instruction in the fundamentals of play situations and rules of softball. This is an activity class designed to give the students playing time. Students will learn knowledge of game as well as improve their individual skill level.

**PEHR - 1230**  
**Soccer**  
1.00 CR

Course for students interested in learning the basics of soccer. Includes instruction in the fundamental skills such as dribbling, heading, shooting, trapping, passing, and defensive knowledge of the game as well as improving their individual skill level. 2 lecture hours per week.
This course is for all students interested in developing football skills, both football team members and non-team members. This course will be taught to three groups—those interested in line play, those interested in offense, and those interested in defense. Students will gain knowledge of the game as well as improve their individual skill level through skill practice. 2 lecture hours per week.

**Course: Football Skills**

**Course Code:** PEHR - 1235

**Credit:** 1.00 CR

**Description:** Course designed for male students who play intercollegiate soccer. Only those students selected to perform athletically may take this course. Includes instruction in skills and play in intercollegiate soccer games. This is an activity class designed to give the student-athlete competitive playing time. Students will gain knowledge of the game as well as improve their individual skill level through competition. Instructor permission required.

**Course: Intercollegiate Men's Soccer**

**Course Code:** PEHR - 1287

**Credit:** 1.00 CR

**Description:** Course designed for women athletes chosen to compete in intercollegiate cross country competition. Only those selected for the team may enroll. Students will benefit from training under a professional coach and from the opportunity to participate in NCAA Division II sports. Instructor permission required.

**Course: Intercol Women's Cross Cntry**

**Course Code:** PEHR - 1288

**Credit:** 1.00 CR

**Description:** Course designed for students who play intercollegiate football. Only those students selected to perform athletically may take this course. Includes instruction in skills and play in intercollegiate football games. This is an activity class designed to give the student-athlete competitive playing time. Students will gain knowledge of the game as well as improve their individual skill level through competition. Instructor permission required.

**Course: Intercol Men's Cross Cntry**

**Course Code:** PEHR - 1290

**Credit:** 1.00 CR

**Description:** Course designed for students who play intercollegiate basketball. Only those students selected to perform athletically may take this course. Includes instruction in skills and play in intercollegiate basketball games. This is an activity class designed to give the student-athlete competitive playing time. Students will gain knowledge of the game as well as improve their individual skill level through competition. Instructor permission required.
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PEHR - 1297</td>
<td>Intercoll Women's Softball</td>
<td>1.00 CR</td>
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<td></td>
<td>Course designed for students who play intercollegiate softball. Only those students selected to perform athletically may take this course. Includes instruction in skills and play in intercollegiate softball games. This is an activity class designed to give the student-athlete competitive playing time. Students will gain knowledge of the game as well as improve their individual skill level through competition. Instructor permission required.</td>
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<tr>
<td>PEHR - 1298</td>
<td>Intercoll Women's Tennis</td>
<td>1.00 CR</td>
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<td>This course is for women athletes chosen to compete in intercollegiate tennis competition. Only those selected for the team may enroll. Students will gain knowledge of the game and improve their skills through contracted practice under a professional coach. Instructor permission required.</td>
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<tr>
<td>PEHR - 1300</td>
<td>Beg Swimming</td>
<td>1.00 CR</td>
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<td>Course for students interested in swimming. Includes instruction and practice in the fundamental elements of swimming and water safety skills emphasizing the basic skills of floating, rhythmic breathing, gliding and kicking, form of a crawl stroke and elementary backstroke. This is an activity class designed to give the student swimming time. Students will gain knowledge as well as improve their skill level in swimming. Course fee required. 2 lecture hours per week.</td>
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<tr>
<td>PEHR - 1301</td>
<td>Interm Swimming</td>
<td>1.00 CR</td>
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<td>Course designed for students interested in learning intermediate aspects of swimming. Teaches advanced techniques of the four competitive strokes--front crawl, back crawl, breaststroke and butterfly, as well as the two leisure strokes--sidestroke and elementary backstroke. This is an activity class designed to improve the student's skill fitness level. A required course for all PEHR majors transferring to four-year institutions. 2 lecture hours per week.</td>
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<tr>
<td>PEHR - 1315</td>
<td>Aquatic Exercise</td>
<td>1.00 CR</td>
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<td>For students interested in a safe, but physically challenging alternative to land exercise. Teaches students aerobic techniques, without putting stress on the body, and provides a low-impact means of conditioning the body. 2 lecture hours per week.</td>
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<tr>
<td>PEHR - 1340</td>
<td>Lifeguarding</td>
<td>2.00 CR</td>
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<td>Course for students interested in furthering their knowledge and skills in swimming and getting their lifeguard training. Instruction is given in water rescue, water safety and skills. Successful completion of this course includes the Red Cross Exam, and successful students will be Red Cross certified. Prerequisite: Proficiency in two basic strokes (American Crawl and breaststroke). Course fee required. 2 lecture hours per week.</td>
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<tr>
<td>PEHR - 1345</td>
<td>Water Safety Instruction</td>
<td>2.00 CR</td>
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<td>Course is for students interested in learning methods of teaching swimming, diving, lifesaving and the use of small water craft. This is an activity class. Students who pass the examination are given American Red Cross Water Safety Certification. Prerequisite: There is a swimming skills test in the first week of class for the American Crawl, side stroke, breast stroke, elementary back stroke and back crawl. Course fee required.</td>
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<tr>
<td>PEHR - 1350</td>
<td>Scuba Diving</td>
<td>1.00 CR</td>
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<td>Designed for students interested in scuba diving. Teaches basic scuba diving techniques, scuba safety, and use of scuba equipment in a swimming pool and in strictly limited and supervised open water dives. Includes lectures on underwater environment, diving skills, equipment, techniques, respiration, breathing air at depth, safety procedures in scuba diving. While students receive the PADI (Professional Association for Diving Instructors) open water scuba course, students must certify in scuba diving independently of this course. Course fee required. Variable lab hours per week.</td>
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<tr>
<td>PEHR - 1450</td>
<td>Chinese Kung Fu</td>
<td>1.00 CR</td>
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<td>Course designed for students of all fitness levels who are interested in developing more self-awareness, flexibility, physical conditioning, and power through the medium of Chinese martial arts. It examines the psychological and physiological response to conflict, and provides a foundation of techniques that will teach students how to operate in high-stress environments. Concepts are presented through lecture, active learning, and actual self-defense practice. This course is an elective credit course. 2 lecture/activity hours per week.</td>
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<tr>
<td>PEHR - 1510</td>
<td>Fresh Water Fishing</td>
<td>1.00 CR</td>
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<td>Fresh Water Fishing is a class that uses nearby lakes and streams as a laboratory to teach the methods of freshwater angling as well as variety of related topics. The class alternates between field trips and classroom activities every other week. A mandatory weekend trip is planned to more distant locations during the course of the semester. Topics studied include tackle, the various types of fishing techniques (fly, bait, spin cast, bait cast, trolling, etc.), the laws and regulations, and safety, as well as etiquette. Course fee required.</td>
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<tr>
<td>PEHR - 1527</td>
<td>Intro to Climbing</td>
<td>1.00 CR</td>
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<td>This course is designed for all students, presenting introductory information on safety, equipment and its maintenance, and climbing technique, including rappelling, belaying, and sport climbing. All climbs will be conducted on campus; however, class presentations will include introductions to local climbing venues. Fee required. 2 lab hours per week.</td>
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PEHR - 1530  Primitive Survival Skills  1.00 CR

Make your brain your survival kit by learning the survival skills of primitive people. Included are topics related to fire, shelter, wild food gathering and preparation, clothing, travel, signaling, tools, hunting and fishing, and many other pertinent topics. This class includes half-classroom and half outdoor laboratories (every other week, plus a weekend field trip at the end). Course fee required.

PEHR - 1535  Backpacking  1.00 CR

Learn about the basic principles, tools, skills, and equipment pertaining to a safe and enjoyable activity revolving around overnight backcountry foot-powered trips. Share with your fellow classmates materials and information related to larger setting in which backpacking takes place, including politics, conservation, history, lore, and folklore, etc. Course includes half classroom and half laboratory activities (every other week, plus a weekend field trip at the end). Course fee required.

PEHR - 1543  First Aid/Respond to Emergency  3.00 CR

Course designed for students desiring to learn about first aid including allied health majors, community members, and PE majors. Includes instruction in the principles and practices in emergency care and first aid procedures for injuries and safety precautions. Successful completers will be certified through the American Red Cross in CPR and First Aid. 3 lecture hours per week.

PEHR - 1545  Outdoor Cooking  1.00 CR

Learn the basic principles pertaining to the preparation of meals in the outdoors by studying specific equipment, tools, and techniques including dutch oven cooking, grilling, backpack cookery as well as cooking for large groups. A forum for sharing of recipes and menus will be provided. This is a hands on course with half classroom and half outdoor laboratories (every other week, plus a weekend field trip at the end).

PEHR - 1550  Mountain Biking  1.00 CR

This course is designed to present basic information on equipment purchase, maintenance and repair. Fitness programs and short trips are conducted in the St. George area with an extended tour planned by the group to conclude the semester.

PEHR - 1570  Intercollegiate Golf  1.00 CR

Course designed for first year students who play intercollegiate golf. Only those students selected to perform athletically may take this course. Includes instruction in skills and play in intercollegiate golf games. This is an activity class designed to give the student-athlete competitive playing time. Students will gain knowledge of the game as well as improve their individual skill level through competition. This course may be repeated for credit. Prerequisite: Instructor Permission. 5 lab hours per week.

PEHR - 1575  Rodeo Rules & Conditioning  1.00 CR

This course is designed for the rodeo athlete who participates in intercollegiate rodeo or the student who has an interest in rodeo. This course includes instruction in National Intercollegiate Rodeo Association Constitution By-Laws and Rules, with a focus on building skills needed for rodeo competition. Students will gain knowledge and a greater appreciation for rodeo as well as improve their individual skill level. This course may be repeated for credit.

PEHR - 1730  Adaptive PE  1.00 CR

Course for students physically disabled or unable for physical or medical reasons to participate in the regular physical education courses. Teacher will work with the student and give assignments according to the student's individual abilities and needs. Time will be arranged by instructor. Prerequisite: Instructor permission.

PEHR - 1740  Adaptive PE  1.00 CR

Course for students physically disabled or unable for physical or medical reasons to participate in the regular physical education courses. Teacher will work with the student and give assignments according to the student's individual abilities and needs. Time will be arranged by instructor. Prerequisite: Instructor permission.

PEHR - 1790  Weight Training for Women  1.00 CR

Course designed for women interested in the fundamentals of weight training. Includes instruction designed to build and strengthen the body. In this activity class, students will receive supervised practice in various progressive resistance exercises. Students will learn the basics of weight training as well as improve their body strength. 2 lab hours per week.

PEHR - 1850  Special Perform Cheerleading  1.00 CR

This class may be taken only by those students selected to perform as Cheerleaders. This is an activity class designed to give the students time to prepare for performance. Substantial time will be spent performing. Prerequisite: Instructor permission.
This course may be taken only by those students selected to perform as Rebelettes. This is an activity class designed to give the students time to prepare for performance. Substantial time will be spent performing. Prerequisite: Instructor permission. Course fee required.

**PEHR - 1860  Rebelettes**  
1.00 CR

Fundamentals of Team Sports (Softball, Volleyball, Soccer, Basketball, Flag Football). For students who are interested in learning the fundamental rules, regulations and skills of individual and dual sports, specifically, softball, volleyball, soccer, basketball, flag football. The course is open to all students, but required for all PEHR majors transferring to four-year institutions. 3 lecture hours per week.

**PEHR - 1870  Fundamentals of Team Sports**  
3.00 CR

**PEHR - 1880  Fundamentals of Individual and Dual Sport**  
3.00 CR

Course required for physical education majors. Teaches history and principles of physical education. Study of the objectives of modern physical education with a view toward the development of the basic philosophy and background of professional education. Open to first semester students. 2 lecture hours per week.

**PEHR - 2010  Intro to PE**  
2.00 CR

Course for students interested in working in the fitness industry as either a personal trainer or aerobics instructor. Covers basic human anatomy and physiology as it pertains to exercise, basic training principles in aerobics and strength training. Course contains lecture and lab exercises. Students are encouraged to have taken or take CPR training concurrently. The course objective is to prepare students for the American Council of Exercise (ACE) certifying exam. Must be taken concurrently with PEHR 2040. 2 lecture hours per week.

**PEHR - 2020  Exercise Science**  
2.00 CR

**PEHR - 2030  Exercise Science/Aerobics Lab**  
0.50 CR

A laboratory course to be taken concurrently with PEHR 2020. 2 lab hours per week.

**PEHR - 2040  Exercise Science/Fitness Train**  
1.00 CR

A laboratory course to be taken concurrently with PEHR 2020. 2 lab hours per week.

**PEHR - 2410  Football Officiating**  
1.00 CR

For students wishing to officiate in interscholastic, intramural and community games. Teaches rules, techniques, problems and procedures in officiating football and flag football. Utilizes lecture, media, guest lecturers and practical game experience. 2 lab hours per week.

**PEHR - 2420  Volleyball Officiating**  
1.00 CR

For students wishing to officiate in interscholastic, intramural and community games. Teaches rules, officiating, techniques, problems and procedures used in volleyball. Uses lecture, media, guest lecturer and practical games situations. 2 lab hours per week.

**PEHR - 2430  Basketball Officiating**  
1.00 CR

For students wishing to officiate in interscholastic, intramural and community games. Teaches rules, officiating, techniques, problems and procedures in basketball. Uses lecture, media, guest lecturer and practical games situations. 2 lab hours per week.

**PEHR - 2450  Softball Officiating**  
1.00 CR

For students wishing to officiate in interscholastic, intramural and community games. Teaches rules, officiating, techniques, problems and procedures in softball. Uses lecture, media, guest lecturer and practical games situations. 2 lab hours per week.
Euthanasia, and war. 3 lecture hours per week.

For students of all disciplines. Teaches the general nature of philosophy, its origins and its influences on human experience. Offers an introduction to philosophical theories of knowledge, ethics and values, truth, reality, being, science, politics, aesthetics and religion. Requirements include examinations requiring essay and objective responses, formal essays and informal written responses, quizzes, and participation in class discussions and group presentations. Satisfies a general education requirement in the humanities. 3 lecture hours per week.

For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

This course is for students who plan to teach or coach drill, cheer or dance squads. It is designed to give emphasis to the organization and administration of studio teachers and high school/collegiate drill, cheer and dance advisors. Class activities will include: choreography, music selection, costume design, auditioning, budgeting, teaching and other activities involved in advising squads. Designed for those who wish to advise drill, cheer and dance squads, and some PEHR majors. 2 lecture hours per week.

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For students in all disciplines who are interested in philosophy, moral values and the application of ethics to social issues. This course also satisfies a general education requirement in the humanities. Teaches the historical development of Western value systems, including the contribution of classical and Hebraic traditions to current personal and political values. Students are also asked to apply ethical theories such as utilitarianism and Kantian formalism to social issues of our day, such as genetic engineering, business practices, world hunger, euthanasia, and war. 3 lecture hours per week.

For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHIL - 2990</td>
<td>Seminar in Philosophy</td>
<td>0.50 - 3.00 CR</td>
</tr>
<tr>
<td>PHIL - 3510</td>
<td>Professional Ethics</td>
<td>3.00 CR</td>
</tr>
<tr>
<td>PHLB - 1000</td>
<td>Phlebotomy</td>
<td>4.00 CR</td>
</tr>
<tr>
<td>PHYS - 1010</td>
<td>Elementary Physics *PS</td>
<td>3.00 CR</td>
</tr>
<tr>
<td>PHYS - 1020</td>
<td>Intro to Weather *PS</td>
<td>3.00 CR</td>
</tr>
<tr>
<td>PHYS - 1040</td>
<td>Elementary Astronomy *PS</td>
<td>3.00 CR</td>
</tr>
<tr>
<td>PHYS - 1045</td>
<td>Elem Astronomy Lab</td>
<td>1.00 CR</td>
</tr>
<tr>
<td>PHYS - 1360</td>
<td>Prin of Physical Science</td>
<td>4.00 CR</td>
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<tr>
<td>PHYS - 1365</td>
<td>Prin of Physical Science Lab</td>
<td>1.00 CR</td>
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<tr>
<td>PHYS - 2010</td>
<td>College Physics I *PS</td>
<td>4.00 CR</td>
</tr>
</tbody>
</table>

Examination of selected ethical issues in business and technology, e.g., justice, corporate responsibility, preferential treatment, advertising practices, environmental responsibility, confidentiality and privacy, and government regulation. Prerequisite: Acceptance into a baccalaureate program or permission from upper-division advisor. 3 lecture hours per week.

Course designed to provide first hand training for students to become proficient in drawing and obtaining blood samples for laboratory analysis. Students will be able to obtain blood from a vein or capillary using the following methods: vacutainer, syringe, butterfly, heel and finger stick. Students also will learn universal precautions and proper handling of specimens. A number of live sticks is required for successful completion of the course. Prerequisite: Acceptance into the Phlebotomy program. Course fee required. 4 lecture hours per week.

Designed primarily to fill part of the physical science general education requirement. Not recommended for science or engineering majors. Covers the basic concepts of physics in an historical perspective. Provides the students with many practical examples that demonstrate the role of physics in their everyday life. Uses lectures, videos, and demonstrations. Prepares students to pass the general education requirement in physical science. Prerequisite: ACT/CPT score of 23, or a minimum grade of C in Math 1010. 3 lecture hours per week.

Designed for students wanting to fill a physical science requirement and interested in weather. A general survey of the atmosphere and related phenomenon, including the impact weather has on human activities as well as understanding of the basic weather principles. This course will use lectures, slides, and videos to help the students gain an understanding of the weather. Successful completion of this course enables the student to better understand and appreciate weather. 3 lecture hours per week.

Designed for students wanting to fill a physical science requirement and interested in astronomy. A general study of the solar system. This course will use lecture, demonstration, videos, slides, and labs where students will look through telescopes to identify planets, stars, constellations and galaxies. Successful completion will enable students to understand concepts of the space around us and its contents. Lab fee required. 3 lecture hours per week.

A lab course to be taken concurrently with PHYS 1040: Astronomy. Lab fee required. 3 lab hours per week.

A lecture/laboratory course designed to provide an introduction to the scientific method and its application to the study of selected topics in physics, chemistry and geology. A local 6 hour field trip is also required. Recommended for Elementary Education majors. 4 lecture hours per week.

A laboratory course designed to be taken concurrently with PHYS 1360. A local 6-hour field trip is also required. Lab fee required. 3 lab hours per week.

First semester of a general two-semester course for students majoring in pre-dental, pre-medical and other pre-professional and biological programs. PHYS 2010 satisfies general education physical science requirements and covers the basics of mechanics, heat, and sound. Uses lectures, videos, demonstrations and computerized laboratory experiments. Successful completion of this series satisfies physics requirements to meet pre-dental, pre-medical and other pre-professional and biological programs. Prerequisite: MATH 1060 or concurrently enrolled in Math 1060. 4 lecture hours per week.
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<tr>
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<tbody>
<tr>
<td>PHYS 2015</td>
<td>College Physics I LAB</td>
<td>1.00</td>
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<td>A lab to be taken concurrently with Physics 2010. Lab fee required. 3 lab hours per week.</td>
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<tr>
<td>PHYS 2020</td>
<td>College Physics II *PS</td>
<td>4.00</td>
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<td>A second semester of a general two-semester course for students majoring in pre-dental, pre-medical and other pre-professional and biological programs. Covers the basics of electricity, magnetism, and light. Uses lecturers, videos, demonstrations and computerized laboratory experiments. Successful completion of this series satisfies physics requirements to meet pre-dental, pre-medical and other pre-professional and biological programs. Prerequisite: PHYS 2010. This course is offered spring semester only. 4 lecture hours per week.</td>
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<tr>
<td>PHYS 2025</td>
<td>College Physics II Lab</td>
<td>1.00</td>
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<td>A lab to be taken concurrently with Physics 2020. Lab fee required. 3 lab hours per week.</td>
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<tr>
<td>PHYS 2210</td>
<td>Phys for Scientists/Engr I</td>
<td>4.00</td>
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<td></td>
<td>An intensive two semester course for students majoring in physical science and engineering with fundamental emphasis on mechanics; electricity and magnetism; and heat, sound and light. Uses lectures, videos, demonstrations and computerized laboratory experiments to develop the student's interest and understanding of the basic principles of physics. The first course, PHYS 2210 satisfies general education physical science requirements. The course is designed to develop the student's capacity to analyze problems in physics and to express solutions in mathematical form utilizing mathematics up to and including the use of up-to-date equipment interfaced to computers. Successful completion of this series satisfies Physics requirements in physical science, engineering, and some biological and plant science programs. PHYS 2210 satisfies prerequisites for ENGR 2000. Prerequisite: MATH 1210. PHYS 2210 is offered fall semester; PHYS 2220 is offered spring semester. Lab fee required. 4 lecture hours and 3 lab hours per week.</td>
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<tr>
<td>PHYS 2215</td>
<td>Phys for Scientists/Engr I Lab</td>
<td>1.00</td>
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<td>A lab to be taken concurrently with Physics 2210. Lab fee required. 3 lab hours per week.</td>
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<td>PHYS 2220</td>
<td>Phys for Scientists/Engr II</td>
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<td>An intensive two semester course for students majoring in physical science, engineering, and some biological and plant science programs, with fundamental emphasis on mechanics; electricity and magnetism; and heat, sound and light. Uses lectures, videos, demonstrations and computerized laboratory experiments to develop the student's interest and understanding of the basic principles of physics. The first course, PHYS 2210 satisfies general education physical science requirements. The course is designed to develop the student's capacity to analyze problems in physics and to express solutions in mathematical form utilizing mathematics up to and including the use of up-to-date equipment interfaced to computers. Successful completion of this series satisfies physics requirements to meet in physical science and engineering. PHYS 2210 satisfies prerequisites for ENGR 2000. Prerequisite: MATH 1220 and PHYS 2210. PHYS 2210 is offered fall semester; PHYS 2220 is offered spring semester. 4 lecture hours per week.</td>
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<tr>
<td>PHYS 2225</td>
<td>Phys for Scientists/Engr II Lab</td>
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<td>A lab course to be taken concurrently with Physics 2220. Lab fee required. 3 lab hours per week.</td>
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<tr>
<td>PHYS 2710</td>
<td>Introductory Modern Physics</td>
<td>3.00</td>
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<td>An introductory course for students majoring in physics and some fields or engineering. It is also recommended for chemistry and other science majors. Includes relativity, wave-particle duality, an introduction to quantum physics, atomic physics, and nuclear physics. 3 lecture hours per week.</td>
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<tr>
<td>PHYS 2990</td>
<td>Seminar in Physics</td>
<td>0.50 - 3.00</td>
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<tr>
<td>POLS 1100</td>
<td>American Government *AI</td>
<td>3.00</td>
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POLS - 2100  Intro/international Relations  3.00 CR
For students majoring in political science. Primary forces, practices, and institutions, of international politics; the foreign policies of major powers; and major problem areas in international politics. 3 lecture hours per week.

POLS - 2200  Intro to Comparative Politics  3.00 CR
Comparative Politics examines political activities within individual countries. It looks at the politics of a diverse set of nations like the United States, England, Russia, China, Japan, Mexico, Iran, Nigeria, etc., in order to compare the political institutions and patterns in one country with those in other countries. The focus is on each country's internal politics, with a view to making generalizations about how politics work in a variety of national settings. This will allow students to understand many democratic styles, and how democratic politics compares with the politics in authoritarian governments. Students will read widely and write comparatively about various government structures in various countries. 3 lecture hours per week.

POLS - 2300  Intro to Political Theory  3.00 CR
Introduction to Political Theory examines the ideas of about government beginning with Plato and running to John Rawls. The major thinkers to be considered will be Aristotle, Augustine, Aquinas, Machiavelli, Hobbs, Locke, Montesquieu, Rousseau, Hume, Burke, Kant, Mill, and Marx. The course includes ideas about the relationship between those who govern and those who are governed, about the nature of the good life and the role of government in achieving it; about ideas of how those who govern are to be chosen; about the necessity of limits, if any, on those who govern; and about the correct balance between freedom for the individual and the authority of the state. In the process, students will read from the works of the great political thinkers and write criticisms and comparisons of those thinkers' ideas. 3 lecture hours per week.

POLS - 2990  Seminar in Political Science  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

PSY - 1010  General Psychology  *SS  3.00 CR
For students in all disciplines who are interested in the fundamental scientific principles of behavior. The student will study learning, motivation, emotion, personality, mental disorders, treatment alternatives and other related subjects as part of the course. Critical thinking will be explored in examining these aspects of behavior. Students will have frequent examinations and quizzes as part of the course requirements. This course satisfies general education requirements in the social sciences area. 3 lecture hours per week.

PSY - 1100  Human Devlpmt/Lifespan  *SS  3.00 CR
For all students who are interested in knowing how and why people change through the course of a lifetime. Covers biological, cognitive, and social changes from prenatal development to late adulthood. Studies scientific methods of collecting and interpreting data, analyzes developmental events from various perspectives, and focuses on applying this knowledge to one's own development. Utilizes textbook reading, tests, quizzes, and journal writing. Satisfies general education requirements in the social science area. 3 lecture hours per week.

PSY - 1210  Psychology of Personal Growth  3.00 CR
For all students who have a desire to increase self-awareness, understanding, and personal growth. Includes information on social influences, stress, health issues, communication, relationships, and challenges associated with marriage, child rearing, work, and aging. Uses textbook readings, group discussions, and journal writing to explore past and present decisions and to make future choices to promote personal growth toward self-actualization and fulfillment. An elective course in psychology, although Psychology 1010 is recommended as a prerequisite. 3 lecture hours per week.

PSY - 1430  Stress Management  3.00 CR
For students of all disciplines who wish to learn more about the stress response. Sources of stress, physiological and psychological responses to stress and other components of stress will be investigated. Students will be given relaxation training through several alternative approaches. Grading is based on levels of criteria being met from examinations from the text, completion of self-appraisals, self-exploration through written exercises. An elective credit course in psychology. 3 lecture hours per week.

PSY - 1480  Substance Abuse: Prevention  3.00 CR
For students of all disciplines wishing to expand their awareness of the effects of drugs on the human body, to learn more about local, state, and federal laws regulating the use of drugs and alcohol, to become acquainted with information which identifies and describes characteristics of users, and to recognize healthy lifestyles as a viable alternative to substance abuse. Course requires reading, in-class oral presentation, and examinations from the textbook. An elective course in psychology. 3 lecture hours per week.
The purpose of this course is to provide a basic understanding of the academic and scientific study of human sexuality. Human sexuality is examined from multiple perspectives, ranging from the biological through psychological, as well as cultural, medical, ethical and legal issues. The course is intended to provide an in-depth, college-level understanding of the foundations of human sexuality. 3 lecture hours per week.

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<td>PSY - 2800</td>
<td>Human Sexuality</td>
<td>3.00 CR</td>
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<tr>
<td>PSY - 2990</td>
<td>Seminar in Psychology</td>
<td>0.50 - 3.00 CR</td>
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<tr>
<td>PSY - 3000</td>
<td>Statistical Methods/Psychology</td>
<td>3.00 CR</td>
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<tr>
<td>PSY - 3005</td>
<td>Statistical Methods/Psychology LAB</td>
<td>1.00 CR</td>
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<tr>
<td>PSY - 3010</td>
<td>Research Methods in Psychology</td>
<td>3.00 CR</td>
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<tr>
<td>PSY - 3015</td>
<td>Research Methods in Psychology LAB</td>
<td>1.00 CR</td>
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<tr>
<td>PSY - 3120</td>
<td>Cognitive Psychology</td>
<td>3.00 CR</td>
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<tr>
<td>PSY - 3400</td>
<td>Psyc of Abnormal Behavior</td>
<td>3.00 CR</td>
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<tr>
<td>PSY - 3410</td>
<td>Social Psychology</td>
<td>3.00 CR</td>
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<tr>
<td>PSY - 3700</td>
<td>Personality Theory</td>
<td>3.00 CR</td>
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<td>PSY - 3711</td>
<td>Behavioral Neuroscience</td>
<td>3.00 CR</td>
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<td>Introduction to how the structure and function of the brain and the nervous system relate to specific psychological processes and overt behaviors including cognitive functions, sensory and motor systems, emotions, regulatory behaviors, reproductive behaviors, and psychopathology. PSY 3000 and PSY 3010 recommended. Prerequisite: PSY 1010, BIOL 1010 or BIOL 1610. 3 lecture hours per week.</td>
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<tr>
<td>RADT - 1015</td>
<td>Intro to Radiography</td>
<td>4.00 CR</td>
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<td>This course provides an overview of the medical radiography profession and program. Topics to be covered include medical terminology, radiation protection, radiographic equipment and basic patient care skills with emphasis on patient communication, age-specific needs and cultural diversity. Prerequisite: Acceptance into the Medical Radiography Program. Corequisites: RADT 1020, RADT 1030, RADT 1040. 4 lecture hours per week.</td>
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<tr>
<td>RADT - 1020</td>
<td>Radiographic Procedures I</td>
<td>4.00 CR</td>
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<td>This course provides the student with instruction to perform radiographic procedures and identifying anatomy of the upper/lower extremities, chest and abdomen with emphasis on radiation protection, surface landmarks and pathology. Image analysis is introduced. Prerequisite: Acceptance into the Medical Radiography Program. Corequisites: RADT 1015, RADT 1025, RADT 1030, RADT 1040. 3 lecture hours per week.</td>
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<tr>
<td>RADT - 1025</td>
<td>Radiographic Procedures I Lab</td>
<td>0.00 CR</td>
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<td>This is the laboratory portion of RADT 1020. Corequisite: RADT 1020. 2 lab hours per week.</td>
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<tr>
<td>RADT - 1030</td>
<td>Radiographic Imaging I</td>
<td>3.00 CR</td>
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<td>This course provides the student with an in depth analysis of factors affecting image quality. Topics include density, contrast, detail, distortion and technique formulations. Radiographic imaging devices covered include screens, film, grids, imaging plates, and beam-limiting devices. Digital imaging will be introduced. Prerequisite: Acceptance into the Medical Radiography Program. Corequisites: RADT 1015 and RADT 1020 and RADT 1035 and RADT 1040. 2.5 lecture hours per week.</td>
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<tr>
<td>RADT - 1035</td>
<td>Radiographic Imaging I Lab</td>
<td>0.00 CR</td>
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<td>This is the laboratory portion of RADT 1030. Corequisite: RADT 1030. 1 lab hour per week.</td>
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<tr>
<td>RADT - 1040</td>
<td>Clinical Education I</td>
<td>4.00 CR</td>
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<td>This course provides an opportunity for the student to apply theories and develop skills, in a supervised setting, presented in RADT 1010 and RADT 1020. Students will observe, assist and perform basic radiographic procedures with emphasis on upper/lower extremities, chest and abdomen. This course will begin mid semester. Prerequisite: Acceptance into the Medical Radiography Program. Corequisites: RADT 1015, RADT 1020, RADT 1040. 144 clinical hours.</td>
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<tr>
<td>RADT - 1120</td>
<td>Radiologic Procedures II</td>
<td>3.00 CR</td>
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<td>This course provides the student with instruction in performing radiographic procedures and identifying anatomy of the vertebral column and bony thorax. Critical thinking and problem-solving skills are encouraged through image analysis, positioning techniques and pathology considerations. Prerequisites: RADT 1015 and RADT 1020 and RADT 1030 and RADT 1040. Corequisites: RADT 1125 and RADT 1140. 2 lecture hours per week.</td>
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<tr>
<td>RADT - 1125</td>
<td>Radiologic Procedures II Lab</td>
<td>0.00 CR</td>
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<td>This is the laboratory portion of RADT 1120. Corequisite: RADT 1120. 2 lab hours per week.</td>
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<tr>
<td>RADT - 1140</td>
<td>Clinical Education II</td>
<td>3.00 CR</td>
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<td>This course is a continuation of Clinical Education I providing students with the opportunity to apply theories and further develop technical skills. Emphasis is placed on bony thorax, spine and image analysis. Corequisite: RADT 1120. 135 clinical hours during semester.</td>
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<tr>
<td>RADT - 1220</td>
<td>Radiographic Procedures III</td>
<td>3.00 CR</td>
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<td>This course provides the student with instruction in performing radiographic procedures and identifying anatomy of the genitourinary, gastrointestinal and biliary systems, skull and facial bones and advanced mobile and surgical procedures. Critical thinking and problem-solving skills are encouraged through image analysis, positioning techniques and pathology considerations. This course also includes discussion of composition, use and effects of contrast media. Prerequisites: RADT 1120 and RADT 1140. Corequisites: RADT 1225, RADT 1230, RADT 1240, RADT 1250.</td>
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This is the lab portion of RADT 1220. Corequisite: RADT 1220.

RADT - 1230  Radiographic Imaging II  2.00 CR
This course provides the student with instruction in performing radiographic procedures and identifying anatomy of the genitourinary, gastrointestinal and biliary systems, skull and facial bones. Critical thinking and problem-solving skills are encouraged through image analysis, positioning techniques and pathology considerations. This course also includes discussion of composition, use and effects of contrast media. Prerequisites: RADT 1120, RADT 1125, RADT 1140. Corequisites: RADT 1220 and RADT 1240 and RADT 1250. 2 lecture hours per week.

RADT - 1240  Clinical Education III  7.00 CR
This course is a continuation of Clinical Education II providing the student with the opportunity to apply theories and further develop technical skills. Students will gain experience in patient management specific to fluoroscopic and advanced radiographic procedures. Emphasis is placed on skull, facial bones, gastrointestinal and genitourinary procedures. Prerequisites: RADT 1120 and RADT 1140. Corequisites: RADT 1220 and RADT 1230 and RADT 1250. 336 clinical hours.

RADT - 1250  Advanced Patient Care  2.00 CR
This course provides instruction in advanced patient care skills. Topics include pharmacology and contrast administration for medical imaging, ethics and law, mobile and surgical radiography. Prerequisites: RADT 1120 and RADT 1125 and RADT 1140. Corequisites: RADT 1220 and RADT 1230 and RADT 1240. 2 lecture hours per week.

RADT - 2020  Advanced Medical Imaging  3.00 CR
This course is designed to introduce the student to additional imaging modalities and radiation therapy. Topics covered include interventional radiography, sonography, CT, MRI, mammography and nuclear medicine. Cross-sectional anatomy will be introduced. Prerequisites: RADT 1220, RADT 1230, RADT 1240, RADT 1250. Corequisites: RADT 2030 and RADT 2040. 3 lecture hours per week.

RADT - 2030  Radiographic Physics  3.00 CR
This course presents an in depth analysis of electrical circuitry, transformers and rectifiers as they relate to x-ray production. Additional topics covered include the construction and function of the x-ray tube, fluoroscopic systems, video systems, AEC and digital imaging. Prerequisites: RADT 1220 and RADT 1230 and RADT 1240 and RADT 1250. 3 lecture hours per week.

RADT - 2040  Clinical Education IV  7.00 CR
This course is a continuation of Clinical Education III with emphasis on students perfecting their positioning skills, critical thinking and effective time management. Emphasis is placed on equipment operation. Students will rotate through advanced modality areas. Prerequisites: RADT 1220, RADT 1230, RADT 1240, RADT 1250. Corequisites: RADT 2020 and RADT 2030. 336 clinical hours.

RADT - 2140  Clinical Education V  5.00 CR
This course is a continuation of Clinical IV with emphasis on mastering all basic procedures and attaining experience in advanced procedures with further awareness of radiation protection requirements. Prerequisites: RADT 2020, RADT 2030, RADT 2040. Corequisite: RADT2150. 240 clinical hours.

RADT - 2150  Radiobiology and Protection  2.00 CR
This course offers an in depth analysis of ionizing radiation and its effects on matter. Topics include the early and late effects of radiation, dose limits, radiation monitoring and limiting radiation exposure to patients and personnel. 2 lecture hours per week. Corequisite: RADT 2020 and RADT 2030 and RADT 2040

RADT - 2240  Clinical Education VI  7.00 CR
This course is a continuation of Clinical Education V with emphasis on developing an autonomous approach to the diversity of clinical situations and successfully adapting to them. Extended advanced modality rotations may be arranged following established guidelines. Prerequisites: RADT 2140 and RADT 2150. Corequisite: RADT 2260. 336 clinical hours.

RADT - 2260  Radiography Seminar  3.00 CR
This is a capstone course that offers review and reflection on previous coursework providing the student with a meaningful approach to evaluate areas of strengths and weaknesses and to prepare for credentialing exams and employment. Prerequisite: RADT 2140 and RADT 2150. Corequisite: RADT 2240.
SCED - 3720  Read/Write in Content Areas  3.00 CR
For Secondary Education Students. Prepares secondary education teacher candidates to facilitate reading, writing, and study skills achievement in the content areas at the middle school and secondary school level; for content area teachers with little or no background in reading and writing development. Must be taken concurrently with SCED 4100, SCED 4600, and SCED 4700 (or major equivalent). Prerequisite: Admission to the Secondary Education Teaching (SET) Program. 3 lecture hours per week.

SCED - 4100  Curr/Instruction/Assessment  3.00 CR
For Secondary Education Students. Examines research-based curricular, instructional, and assessment issues, and national, state, and district standards. Prepares secondary education teacher candidates to unwrap state content standards and write objectives/enduring understandings, design formative and summative assessments, and align instruction with objectives and assessments. The primary models for this course will include Understanding by Design (UbD) and Professional Learning Communities (PLC). Prerequisite: Admission to Secondary Education Teaching (SET) program. 3 lecture hours per week.

SCED - 4105  Curr/Instr/Assessmnt/Practicum  0.00 CR
Practicum course to be taken concurrently with SCED 4100.

SCED - 4600  Classroom Management  3.00 CR
For Secondary Education Students. Designed for the management and leadership of the middle school classroom and high school classroom. Areas include: discipline, procedures and routines, interpersonal relationships, classroom environment, learner motivation, and parental involvement. Students will design a comprehensive Classroom Management Plan (CMP). Includes practicum experience in public schools. Prerequisite: Admission to the Secondary Education Teaching (SET) Program. 3 lecture hours per week.

SCED - 4605  Classroom Mgmt Practicum  0.00 CR
Practicum course to be taken concurrently with SCED 4600.

SCED - 4700  Content Methods Course  3.00 CR
For Secondary Education Teaching (SET) licensure students. Course topics include: (a) instructional strategies and procedures; (b) assessments; (c) adaptive teaching for diverse students; and (d) secondary school structures (i.e., block scheduling, resources, etc.). Education and academic content faculty will work together to ensure content knowledge and effective pedagogy are appropriate for secondary (7-12th) learning environments. Lecture, seminar discussion, and practicum experiences in local secondary schools are the modes of instruction for this course. Prerequisite: Admission to the Secondary Education Teaching (SET) program. 2 lecture hours and 2 practicum hours per week.

SCED - 4900  Secondary Student Teaching  10.00 CR
For Secondary Education Teaching (SET) licensure students. Thirteen (13) weeks of full-time student teaching in a secondary school classroom (grades 7-12). Cooperating (mentor) teachers support teacher candidates as they are given responsibility of all aspects of teaching and learning in the classroom. DSC faculty members supervise and evaluate the teacher candidates using the department of education assessment tool. If the teacher candidate has successfully completed the required content coursework and the student teaching requirement, they will be eligible for the Utah Secondary Teaching License. Must be taken concurrently with SCED 4989. Prerequisite: Admission to the Secondary Education Teaching (SET) Program. Various hours per week.

SCED - 4989  Student Teaching Seminar  2.00 CR
For Secondary Education Teaching (SET) licensure students. Teacher candidates debrief and collaborate about special topics such as classroom management, lesson design, assessment, and instructional strategies. Teacher candidates will be required to complete their professional placement file, and they will learn about effective interviewing techniques. In addition, guest speakers will be invited to share their expertise. Must be taken concurrently with SCED 4900. Prerequisite: Admission to the Secondary Education Teaching (SET) program. 2 lecture hours per week.

SCI - 1001  Introduction to the Sciences  1.00 CR
SCI 1001 is an orientation course designed to help students succeed in science courses, as well as other courses at Dixie State College. One of the main goals of the course is to help new freshmen and returning students make a successful transition to being a college student. Topics covered will include strategies for reading textbooks, writing papers, studying, taking exams, talking to your professors; information about campus resources such as the Financial Aid Office, Tutoring Center, Library, Advisement Office, and Disability Resource Center; learning what science is and some of the career paths one can take in science; discussing peer interactions and professional networking; navigating the registration process; and gaining an appreciation for non-academic activities on campus. 2 lecture hours per week.

SOC - 1010  Intro to Sociology *SS  3.00 CR
For sociology majors and students wishing to fulfill the general education social science requirement. Teaches the student what sociology is, what a sociologist does, and how sociology is applied, including the study of cultures, socialization, stratification, religion, families, organizations and social change. A lecture course that may include guest speakers, films, other media, writing assignments, specialized reading assignments, and examinations. 3 lecture hours per week.
SOC - 1020  Social Problems *SS  3.00 CR
For sociology majors and students wishing to fulfill the general education social science requirement. Studies contemporary social issues dealing with crime, sexuality, drug abuse, violence, and families, in addition to larger social problems such as war, poverty, race and ethnic relations, population and the environment. A lecture course that may include guest speakers, films, other media, writing assignments, and examinations. 3 lecture hours per week.

SOC - 1200  Sociology of the Family *SS  3.00 CR
For sociology majors and students wishing to fulfill the general education social science requirement. Teaches students what sociology is and how sociology is applied to the study of families. The course covers many different aspects of families including families through history, gender roles, love, sexuality, courtship, marriage, parenting, children, racial-ethnic families, families and work, family violence, separation and divorce, and aging in the family. A lecture course that may include guest speakers, films, and other media, writing assignments, specialized reading assignments, and examinations. 3 lecture hours per week.

SOC - 2990  Seminar in Sociology  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements.  Prerequisite: Instructor permission.

SOC - 3020  Social Psychology  3.00 CR
An advanced course for students wishing to major in a social science. Covers such topics as affiliation, attitudes, social perception, conformity, authoritarianism, group dynamics, and leadership. Individual behavior in small groups and small group dynamics have special emphasis. Prerequisite: SOC 1010 or PSY 1010. 3 lecture hours per week.

SPAN - 1000  Fundamentals of Spanish  3.00 CR
Inservice class for Washington County School District teachers. Class will expose students to fundamentals of Spanish, emphasizing communication skills for classroom needs. Class will also deal with cultural needs of students. Designed specifically for teachers with little or no previous Spanish experience. Instructor permission required. 3 lecture hours per week.

SPAN - 1010  Begin Spanish I *FL  4.00 CR
For beginning students interested in the Spanish language. Emphasis on gaining communicative competence by focusing on the development of speaking, listening comprehension, reading, and writing skills. Discussion of Hispanic culture is also a component of the course. Several teaching methods are employed, including total physical response (TPR), lecture, drill practice, conversation exchanges, videos, lab tapes, and group work. This course, along with one other Spanish course, will fulfill the Foreign Language requirement for students to receive an Associate of Arts degree. Successful completers are prepared to take Spanish 1020. 4 lecture hours per week.

SPAN - 1020  Beg Spanish II *FL  4.00 CR
For students interested in the Spanish language who have completed Spanish 1010 or who have equivalent experience (approximately two years of high school Spanish). Students using 1020 as an entry level class may receive vertical credit for Spanish 1010 upon passing 1020 with a C grade or higher. Continued emphasis on developing communicative skills is the focus of this class, including speaking, listening, reading, and writing. Several teaching methods are employed, including conversation activities, lecture, drill practice, videos, lab tapes, and group work. This course, along with one other Spanish course, will partially qualify students to receive an Associate of Arts degree. Prerequisite: Recommended background to register for Spanish 1020 is successful completion of SPAN 1010 or two to three years of high school Spanish or equivalent experience. Refer questions to Addison Everett at 652-7810. 4 lecture hours per week.

SPAN - 1030  Beg Spanish Conversation  2.00 CR
Conversation class for beginning and intermediate students. Practice in oral expression, including comprehension, control of structure, vocabulary building, and pronunciation for production of the spoken language. Not open to native speakers of Spanish or students with extended foreign residency. Prerequisite: SPAN 1010. 2 lecture hours per week.

SPAN - 2010  Intermediate Spanish I *FL  4.00 CR
This course is taught fall semester only. For intermediate-level students who have taken Spanish 1020, or for students who have had equivalent experience (four or more years of high school Spanish). Normally, students who have had an extended experience abroad should not register for this series of classes; instead, they should register for Advanced Spanish classes. Students who begin their Spanish studies at the intermediate levels may receive vertical credit for the beginning level classes if they receive a C grade or higher. Continued emphasis on communicative competence, including speaking activities, listening development, reading authentic materials, and writing. A variety of teaching methods are employed, including role-play and small group activities, discussion of reading materials, and videos. This course, along with one other Spanish course, will partially qualify students to receive an Associate of Arts degree. Successful completers are prepared to take Spanish 2020. Prerequisite: Recommended background to register for Spanish 2010 is successful completion of Spanish 1020, three to four years of high school Spanish or equivalent experience. Refer questions to Addison Everett at 652-7810. 4 lecture hours per week.
SPAN - 2020  Intermediate Spanish II *FL  4.00 CR
This course is taught spring semester only. For intermediate-level students who have taken Spanish 2020. Students who begin their Spanish studies at the intermediate levels may receive vertical for the beginning level classes if they receive a C grade or higher. Continued emphasis on communicative competence, stressing the four productive and receptive skills. Grammatical structures will be reviewed, conversation will be emphasized, and reading and writing will receive increased focus. A variety of teaching methods are employed, including drills, videos, conversational activities, reading, and lecture. This course, along with one other Spanish course, will partially qualify students to receive an Associate of Arts degree. Prerequisite: Recommended background to register for Spanish 2020 is successful completion of Spanish 1010, four to five years of high school Spanish, or equivalent experience. Direct questions to Addison Everett at 852-7810. 4 lecture hours per week.

SPAN - 2990  Seminar in Spanish  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some topic of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

SPAN - 2991  Seminar in Spanish  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, students request some topic of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

SPAN - 3020  Conversation/Read in Spanish  3.00 CR
Intensive reading of a variety of texts to provide a basic reading knowledge of Spanish. This course introduces students to literary text and to the practice of reading for comprehension and interpretation. Students write short summaries of texts selected from Spanish and Spanish American literary works. Emphasis on tools for advanced reading: vocabulary recognition, comprehension of idiomatic expressions, and knowledge of advanced grammar. Includes writing and oral discussion. Prerequisite: SPAN 2020 or equivalent experience. 3 lecture hours per week.

SPAN - 3060  Adv Grammar, Culture, Comp I  3.00 CR
Special attention is given to advanced areas of Spanish grammar appropriate for oral argumentation and expository writing and also to distinctions between formal and informal usage. Continued development of conversational and written skills through discussing the different cultural aspects of spanish-speaking countries, emphasizing the richness of the different cultures as well as idialectal uses of grammar. Critical and creative writing with emphasis on summaries, narratives, and descriptions of a factual nature, and supported opinion. Authentic materials promote the understanding of Hispanic cultures. Prerequisite: Span 2020 or equivalent experience. 3 lecture hours per week.

SPAN - 3070  Adv Grammar, Culture, Comp II  3.00 CR
Second semester of Advanced Grammar, Culture and Composition. This course emphasizes advanced grammar (including distinctions of tense, aspect and mood; reflexive and passive usage; and pronoun selection). Attention is paid to Spanish/English contrasts. Grammar skills are developed in conversationand in reading and writing. Students are also introduced to linguistic concepts that will help them make their own judgments about grammar and pronunciation. Prerequisite: SPAN 2020 or equivalent experience. 3 lecture hours per week.

SPAN - 3200  Business Spanish  3.00 CR
An introduction in Spanish to basic business concepts (relating to company structure, accounting, banking, etc.) with a focus on Spanish vocabulary and writing skills for business. Attention to applications in Spanish-speaking countries. A course devoted to learning and practicing oral and written basic terminology and vocabulary related to commerce with Spain and Latin America. Practice in commercial letter writing. Prerequisite: SPAN 3060. 3 lecture hours per week.

SPAN - 3390  Understanding Spanish Lit  3.00 CR
Readings in modern Hispanic literature, focusing on formal literary analysis. For clarification, the literature may be Spanish Peninsular or Latin America. 3 lecture hours per week.

SPAN - 3580  Contemporary Issues  3.00 CR
Introduction to contemporary and historical, political, economic, and cultural issues affecting one or more of the countries of Spain and/or Spanish America. Repeatable for credit when topic varies. Prerequisite: SPAN 3060. 3 lecture hours per week.

SPAN - 3950  Hispanics in US/Service Lrng  3.00 CR
In this advanced Spanish course we will look at a wide variety of issues that affect the lives of Hispanics living in the United States: immigration law, ESL, education, health issues, discrimination, employment, religion, etc. Students will be able to become familiar first hand with these issues working on volunteer projects in a variety of settings such as public schools, hospitals and health clinics, legal service offices, and minority civic centers. Students will do work on a volunteer basis (not for pay) in an area that will be linguistically challenging and therefore will show a gain in Spanish language skills. This course will also increase cultural awareness and heightened sensitivity for immigrant issues. Prerequisite: SPAN 3060. Average of 1 lecture hour per week plus service hours at a rate of 2 hours per credit hour per week.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPAN - 3990</td>
<td>Seminar in Spanish</td>
<td>0.50 - 3.00 CR</td>
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<tr>
<td>SPAN - 4550</td>
<td>Iberian Culture &amp; Civilization</td>
<td>3.00 CR</td>
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<td>A course on the cultural history of Spain from the Middle Ages to the present. This course will examine Spanish culture including Spain’s history, architecture, art, literature music and film, to determine if there is a uniquely Spanish manner of seeing and understanding the world—one which emerges as clearly distinct from our own and that of other Western European nations. Prerequisite: SPAN 3060 or equivalent experience. 3 lecture hours per week.</td>
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<tr>
<td>SS - 1001</td>
<td>Orientation/SocSci/Behav Sci</td>
<td>1.00 CR</td>
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<td>For students interested in the Social and Behavioral Sciences (Psychology, Sociology, Anthropology, Archeology, Ethnic Studies, Gender Studies, and Political Science). This course is designed to help students set the conditions to maximize their college experience. In particular, this course will help students understand and adapt to college life and expectations, refine college level skills and abilities, create and foster social networks, and introduce them to different fields of study, degree options, and career opportunities within the Social and Behavioral Sciences. 1 lecture hour per week.</td>
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<tr>
<td>SSC - 1050</td>
<td>Returning Adult Forum</td>
<td>1.00 CR</td>
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<td>A forum class organized for Re-entry students who are beginning or re-entering college following a break in their formal education. A series of lectures is offered to help re-entry students adapt to an academic environment by improving study and life skills. Different speakers from the college and the community will address topics of interest to adult students. Students will submit a written evaluation for each class period. The class may be repeated for 2 credits maximum.</td>
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<tr>
<td>SSC - 1200</td>
<td>Career Planning Seminar</td>
<td>1.00 CR</td>
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<td>A seminar designed to teach students career development skills by having students learn about themselves, learn about the world of work, and learn skills that facilitate this process. The Career Planning Seminar assists students in making relevant and realistic career decisions by using current assessment tools and decision making process. 1 lecture hour per week.</td>
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<tr>
<td>SSC - 1300</td>
<td>Student Ambassador Ldrship I</td>
<td>1.00 CR</td>
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<td>For all students who are appointed as Student Ambassadors, working with the School Relations Office. Surveys leadership techniques, procedures and communication skills essential to studentbody leadership with special emphasis on representing Dixie State College to prospective students. 45 hours of student involvement, attendance and activity.</td>
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<tr>
<td>SSC - 1310</td>
<td>Student Ambassador Ldrship II</td>
<td>1.00 CR</td>
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<td>For all students who are appointed as Student Ambassadors, working with the School Relations Office. Surveys leadership techniques, procedures and communication skills essential to studentbody leadership with special emphasis on representing Dixie State College to prospective students. 45 hours of student involvement, attendance and activity.</td>
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<tr>
<td>SSC - 1320</td>
<td>Student Ambassador Ldrship III</td>
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<td>For all students who are appointed as Student Ambassadors, working with the School Relations Office. Surveys leadership techniques, procedures and communication skills essential to studentbody leadership with special emphasis on representing Dixie State College to prospective students. 45 hours of student involvement, attendance and activity.</td>
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<tr>
<td>SSC - 1350</td>
<td>Student Gvmt Leadership I</td>
<td>1.00 CR</td>
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<td>For all members of the ASDSC (Associated Students of Dixie State College) executive council and class officers, and for club presidents. Surveys leadership techniques, procedures, and communication skills essential to studentbody leadership with special emphasis on the government of Dixie State College. 45 hours of student involvement, attendance and activity.</td>
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For all members of the ASDSC (Associated Students of Dixie State College) executive council and class officers, and for club presidents. Surveys leadership techniques, procedures and communication skills essential to student body leadership with special emphasis on the government of Dixie State College. 45 hours of student involvement, attendance and activity.

SSC - 1370  Student Gvmt Leadership III  1.00 CR
For all members of ASDSC (Associated Students of Dixie State College) executive council and class officers, and for club presidents. Surveys leadership techniques, procedures and communication skills essential to student body leadership with special emphasis on the government of Dixie State College. 45 hours of student involvement, attendance and activity.

SSC - 1400  Student Alumni Leadership  1.00 CR
For all members of Student Alumni Association (SAA) executive council. Surveys leadership techniques, procedures, and communication skills essential to alumni, student and community leadership with special emphasis on the alumni of Dixie State College. This course requires 45 hours of student involvement, attendance and activity. This course is repeatable for up to 2 credits. 1 lecture hour per week.

SSC - 2990  Seminar in Student Services  0.50 - 3.00 CR
For students seeking instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

STAT - 2040  Business Statistics  4.00 CR
This course is an introduction to basic statistical reasoning. Statistical reasoning is crucial to understanding decision making in a world of uncertainty. The course begins with a general discussion of data distributions and descriptive statistics. The likelihood of events occurring is then covered under the topics of probability and probability distributions, and sampling distributions. All of these principles will help the student understand how inferential statements about a population can be implied based solely on a sample of data. Inferential methods covered will include tests of hypotheses, analysis of variance, “Goodness of Fit”, and regression. Prerequisites: CIS 1200 and MATH 1010. 4 lecture hours per week.

STAT - 3200  Advanced Statistical Methods  3.00 CR
A survey of theory and practice of statistical research design. Students will learn qualitative and quantitative research design methods and will conduct analysis using statistical software. Prerequisite: STATS 2040 and advanced standing in the business baccalaureate program. 3 lecture hours per week.

SURG - 1050  Surgical Technology  15.00 CR
This course combines a basic introduction to the fundamentals associated with the surgical environment with experience in lab and clinical settings. Among the areas covered are: surgical routines, microbiology, asepsis, sterilization principles and practices, equipment, safety practices in the OR, anesthesia, surgical pharmacology, physiological homeostasis, wound healing, biomedical science, and handling and safety of specialized equipment. Students will be introduced to surgical set ups for different surgical specialties. Prerequisite: Acceptance into Surgical Technology Program. Corequisites: SURG 1055 and SURG 1060. 6 Lecture hours per week.

SURG - 1055  Surgical Technology Lab  0.00 CR
Students will gain experience applying previously learned principles in the lab settings. The students will pass off and complete skill assessments, practice and demonstrate competencies. Corequisites: SURG 1050 and SURG 1060. 4 lab hours per week.

SURG - 1060  Surgical Technology Clinic  0.00 CR
Surgical Technology Clinic is the application of the knowledge learned in the classroom and lab while working with a designated preceptor. Students are able to demonstrate and perform previous competencies: Dressing in proper surgical attire, performing basic hand washing, handling supplies for surgical procedures, room turn-over activities, operating sterilization equipment, obtaining supplies, creating and maintaining sterile field, performing surgical hand scrub, and anticipating needs of the sterile team. Clinical day and weeks have specific goals. The goals are designed to compliment the topics learned and put them into immediate practice in the clinical setting. Corequisites: SURG 1050 and SURG 1055. 20 clinical hours per week.

SURG - 1070  Advanced Surgical Technology  15.00 CR
This course is a continuation of SURG 1050 Surgical Technology. Students will be introduced to the surgical technologist role and responsibility in specialized surgical procedures, which include review of surgical anatomy, and specific procedures and setups. Areas of focus are: diagnostic procedures, general surgery, obstetrics, gynecologic surgery, ear/nose/throat surgeries, oral and maxillofacial surgeries, ophthalmic surgery, plastic reconstructive surgery, genitourinary surgery, orthopedic surgeries, cardiovascular/peripheral vascular surgeries, neurosurgical thoracic surgeries. Prerequisites: SURG 1050, SURG 1055, SURG 1060. Corequisites: SURG 1075 and SURG 1080. 6 lecture hours per week.
The students will identify names and uses of surgical instruments, supplies and drugs. Students will demonstrate proper positioning and draping, discuss the purpose and expected outcomes for surgical procedure, and pass off skill assessments with lab instructors. Corequisites: SURG 1070 and SURG 1080. 4 lab hours per week.

SURG - 1080  Advanced Surgical Tech Clinic  0.00 CR
This course is a continuation of SURG 1060, Surgical Technology Clinic. Clinical experiences will reflect skills learned the first semester with additional emphasis on specialized surgical procedures: general obstetrics, gynecologic, ear/nose/throat, oral and maxillofacial, ophthalmic, plastic reconstructive, genitourinary, orthopedic, cardiovascular/peripheral vascular, neurosurgical thoracic surgeries. Corequisites: SURG 1070 and SURG 1075. 20 clinical hours per week.

TECH - 1000  Skills USA  1.00 CR
Vocational Industrial Clubs of America (VICA)
This course is designated for the vocational major. Six levels of Professional Development Program curriculum materials are used in classroom instruction. Workbook use includes self assessment, goal setting and industrial work place inquiries. Completion of 1 1/2 workbooks each semester is expected. Class can be repeated. Successful compliers should be able to enter leadership roles in industry. The VICA Club is a service organization as well and participates in all Dixie College student club activities. Vocational majors compete in state and national competitions. Class can be taken with TECH 1010 during the same semester.

TECH - 1010  Skills USA Competition Prep  1.00 CR
Enrolled students will receive instruction in competition requirements and procedures. Past competitors and industrial mentors will assist competitors in their competition preparation. Students participating in DEMO contests will present their demonstration to the class, past competitors, and mentors for evaluation and perfection. First place winners at state competition compete at nationals. The VICA Club is a service organization as well and participates in all Dixie College Student club activities. Vocational majors compete in state and national competitions. Class can be taken with TECH 1000 during the same semester.

THEA - 1013  Intro to Theatre  *FA  3.00 CR
For all students seeking to fill the general education fine arts requirement. Teaches the components of the live theatre production process, including producing, play writing, directing, acting, designing and critiquing. Emphasizes the appreciation skills needed to become a discriminating audience member. Not a performance class. Uses textbook reading, lecture, media, demonstration and discussion. Quizzes, tests and exercises may also be used. Students are required to attend live theatre productions at Dixie College Theatre or at other production venues. Successful student completers will be more discerning and sensitive theatre audience members. 3 lecture hours per week.

THEA - 1023  Understanding Movies  *HU  3.00 CR
For students in all disciplines who enjoy watching popular films and would like to increase their understanding of the film making art. This course satisfies a general education requirement in the humanities. It explores film making techniques, aesthetic issues, and the function of film criticism. Students will view films, from silent films to the present (gaining a feeling for film history), and will examine, discuss, and write about various aspects such as plot, theme, character, and setting. Lab required. 3 lecture hours and 2 lab hours per week.

THEA - 1025  Understanding Movies Lab  0.00 CR
A lab course to be taken concurrently with THEA 1023.

THEA - 1033  Acting I  3.00 CR
For all students interested in acting for the stage. Required for theatre majors. Elective credit. Teaches basic elements of characterization, including character analysis, movement, vocal characterization and establishment of emotion. Emphasizes performance skill development. Uses textbook reading, lecture, demonstration and discussion. Quizzes, tests and exercises may also be used. Students prepare and perform three to six scenes. Group work is required. This course should prepare students to perform in Dixie State College Theatre productions and to enroll in THEA 2033, Beginning Acting II. Is a prerequisite to THEA 2033. 2 lecture and 2 lab hours per week.

THEA - 1050  Intro/Visual Arts Theatre  3.00 CR
Teaches understanding of the technical components of theatre, including set, costume and makeup design and production. Emphasizes design theory and appreciation. Uses textbook reading, lecture, media, demonstration and discussion. Laboratory opportunities are available. Quizzes, tests and exercises may also be used. Students are required to attend live theatre productions at Dixie College Theatre or at other production venues. Students who complete this course will have a foundation understanding and appreciation of technical theatre elements. 3 lecture hours per week.

THEA - 1113  Voice and Diction  3.00 CR
Designed for speech therapists, radio/TV, theatre performance and vocal music majors and all students seeking to improve articulation and increase control of the speaking voice. Teaches the basic mechanics of speech production, including respiration, phonation, resonance and articulation. Teaches the Lessac methodology. Uses textbook reading, lecture, media, demonstration, discussion and individual performances. Quizzes, tests and exercises may also be used. Emphasizes basic skill development. Students who complete this course will be prepared to enroll in THEA 2113, Intermediate Voice. Elective credit. Is a prerequisite to THEA 2113, Intermediate Voice and Diction. 3 lecture hours per week.
THEA - 1150  Theatre Wkshop: Performance  0.50 - 1.00 CR
For all freshmen desiring to participate in Dixie College Theatre productions. Required for theatre majors. Elective credit. May be repeated for credit. Teaches practical production skills in designated areas, using actual productions as the learning laboratory. Written analyses and evaluations may also be used. Emphasizes development of personal discipline and collaborative skills. Theatre Workshops should prepare students for entry level involvement in community, summer stock and other pre-professional theatre productions. Can be repeated for credit. Prerequisite: Audition or instructor permission. 0 lecture hours and variable lab hours per week.

THEA - 1160  Theatre Workshop: Costumes  0.50 - 1.00 CR
For all freshmen desiring to participate in Dixie College Theatre productions. Required for theatre majors. Elective credit. May be repeated for credit. Teaches practical production skills in designated areas, using actual productions as the learning laboratory. Written analyses and evaluations may also be used. Emphasizes development of personal discipline and collaborative skills. Theatre Workshops should prepare students for entry level involvement in community, summer stock and other pre-professional theatre productions. Can be repeated for credit. Prerequisite: Audition or instructor permission. 0 lecture hours and variable lab hours per week.

THEA - 1170  Theatre Workshop: Sets  0.50 - 1.00 CR
For all freshmen who wish to participate in Dixie College Theatre productions. Required for theatre majors. Elective credit. May be repeated for credit. Teaches practical production skills in designated areas, using actual productions as the learning laboratory. Written analyses and evaluations may also be used. Emphasizes development of personal discipline and collaborative skills. Theatre Workshops should prepare students for entry level involvement in community, summer stock and other pre-professional theatre productions. Can be repeated for credit. Prerequisite: Audition or instructor permission. 0 lecture hours and variable lab hours per week.

THEA - 1180  Theatre Workshop: Lights  0.50 - 1.00 CR
For all freshmen who wish to participate in Dixie College Theatre productions. Required for theatre majors. Elective credit. May be repeated for credit. Teaches practical production skills in designated areas, using actual productions as the learning laboratory. Written analyses and evaluations may also be used. Emphasizes development of personal discipline and collaborative skills. Theatre Workshops should prepare students for entry level involvement in community, summer stock and other pre-professional theatre productions. Can be repeated for credit. Prerequisite: Audition or instructor permission. 0 lecture hours and variable lab hours per week.

THEA - 1223  Stage Makeup  3.00 CR
For all students interested in stage makeup. Required for theatre majors. Elective credit. Teaches theory and skills of basic stage makeup, including straight makeup, character makeup, clown makeup and age makeup. Uses textbook reading, lecture, demonstration and discussion. Quizzes, tests and exercises may also be used. Students complete seven actual makeup projects in a laboratory setting. Production opportunities are available. Students who complete the course should be prepared to assist with makeup application for Dixie College Theatre productions and other pre-professional productions. Lab fee required. 1 lecture hour and 3 lab hours per week.

THEA - 1513  Stage Craft  3.00 CR
For all students who wish to develop technical theatre production skills. A fundamental course in Theatrical Production techniques and methods focusing on the practices in stage set construction. Uses textbook readings, lecture, media, demonstration, discussion and practical projects. Students who complete this class should be prepared to assist in set construction in college, community theatre and other pre-professional productions. 2 lecture and 2 lab hours per week.

THEA - 1550  Costume Design I  3.00 CR
Building upon the skills learned in THEA 2203: Costume Crafts, the student will be instructed in the skills and techniques used in taking a theatrical production from pre-production concept, to historical, character and fabric research, to design conferencing, and culminating in producing finished costume renderings. 3 lecture hours per week.

THEA - 1713  Script Analysis  3.00 CR
An introductory course focusing on plot, character, language, thematic analysis and dramaturgy of various historical and modern performance texts in the context of contemporary staging and performance practices. 3 lecture hours per week.

THEA - 1900  Priv Appl Theatre: Acting  1.00 CR
Private acting lessons designed for the performance major or the general education student seeking to increase skills in theatrical performance either to satisfy immediate goals or to explore the possibilities of majoring in theatre. Course may be repeated for credit. Lab fees required. 1 lab hour per week.

THEA - 2033  Acting II  3.00 CR
A continuation of THEA 1033. Teaches elements of acting with an emphasis on characterization and scene study using Meisner methodology. Emphasizes performance skill development. Uses textbook reading, lecture demonstration and discussion. Quizzes, tests and exercises may also be used. Students prepare and perform three to six scenes. Group work is required. This course should prepare students to perform in Dixie State College Theatre productions and other pre-professional productions and to enroll in THEA 2043, Second Year Acting I. It is a prerequisite to THEA 2043. Prerequisite: THEA 1033. 2 lecture hours and 2 lab hours per week.

THEA - 2043  Acting III  3.00 CR
A continuation of THEA 2033. Teaches elements of acting with an emphasis on performance skill development. Uses textbook reading, lecture, demonstration and discussion. Quizzes, tests and exercises may also be used. Students prepare and perform four to eight scenes. Emphasis on audition, resume and interview preparation. This course should prepare students to perform in Dixie State Theatre productions, transfer auditions and pre-professional productions and to enroll in THEA 2053, Classical Acting. It is a prerequisite for THEA 2053. Prerequisite: THEA 2033. 3 lecture hours per week.
Realize theoretical costume design projects. 3 lecture hours per week.

Taking the student from pre-production concept, research, collaboration, and final design presentations. This course will enable students to study the basic costume design for stage and construction techniques through script analysis, historical, character and textile research. 3 lecture hours per week.

Introduces students to the mechanical aspects of stage lighting. The course is also designed to help the actor, director, technician and designer understand functions, psychology, and practical application of lighting design. Provides a basic understanding of light energy, angle, color and lighting technology. 3 lecture hours per week.

The study of basic costume design for stage and construction techniques through script analysis, historical, character and textile research. Taking the student from pre-production concept, research, collaboration, and final design presentations. This course will enable students to realize theoretical costume design projects. 3 lecture hours per week.

Costume Design ITHEA - 2240 3.00 CR

Intermediate preparation for the performance of classical texts, including Greek and Shakespearian works. Emphasis on text analysis and scansion, rhetoric, speech, movement, and character development, and performance techniques. Prerequisite: THEA 2043. 3 lecture hours per week.

A continuation of THEA 1113. Reinforces vocal health lessons while developing additional strength and versatility through the study and performance of various accents and dialects. Instruction in the International Phonetic Alphabet and Lessac methodology. Emphasizes performance skill development through scene study and performance. Uses textbook readings, lecture, media, demonstration, discussion and individual performance. This course should prepare students to perform in Dixie State College Theatre productions and other pre-professional productions. Prerequisite: THEA 1113. 3 lecture hours per week.

For all sophomores who wish to participate in Dixie College Theatre productions. Teaches practical production skills in designated areas, using actual productions as the learning laboratory. Written analysis and evaluations may also be used. Emphasizes development of personal discipline and collaborative skills. Theatre Workshops should prepare students for entry level involvement in community, summer stock and other pre-professional theatre productions. Elective credit. Can be repeated for credit. Prerequisite: Audition or instructor permission. Variable lab hours per week.

For all sophomores who wish to participate in Dixie College Theatre productions. Teaches practical production skills in designated areas, using actual productions as the learning laboratory. Written analysis and evaluations may also be used. Emphasizes development of personal discipline and collaborative skills. Theatre Workshops should prepare students for entry level involvement in community, summer stock and other pre-professional theatre productions. Elective credit. Can be repeated for credit. Prerequisite: Audition or instructor permission. Variable lab hours per week.

For all sophomores who wish to participate in Dixie College Theatre productions. Teaches practical production skills in designated areas, using actual productions as the learning laboratory. Written analysis and evaluations may also be used. Emphasizes development of personal discipline and collaborative skills. Theatre Workshops should prepare students for entry level involvement in community, summer stock and other pre-professional theatre productions. Elective credit. Can be repeated for credit. Prerequisite: Audition or instructor permission. Variable lab hours per week.

A fundamental course in costume construction techniques and methods of stage costumes. Focusing on hand/machine sewing skills and applying the skill sets learned in class to the real theoretical productions of the department. Course fee required. 3 lecture hours per week.

For Theatre/Fine Arts majors and those looking for instruction in scenic design. This course teaches students how to apply script analysts and director concepts to the designing of scenery for theatrical productions. Uses a variety of teaching methods including lecture, exercises, two dimensional and three dimensional rendering, portfolios, and tests may also be used. The course prepares students for advanced design study and may lead to student design opportunities. 3 lecture hours per week.

Theory and practice of theatre for child audiences, including plays, storytelling, masks, puppetry, creative dramatics and other forms. Examination of selection and adaptation of literature, producing, directing, acting, visual elements and production support. Emphasis on skill development. Course will make use of textbook and literature readings, practical projects. 3 lecture hours per week.

Introduces students to the mechanical aspects of stage lighting. The course is also designed to help the actor, director, technician and designer understand functions, psychology, and practical application of lighting design. Provides a basic understanding of light energy, angle, color and lighting technology. 3 lecture hours per week.

The study of basic costume design for stage and construction techniques through script analysis, historical, character and textile research. Taking the student from pre-production concept, research, collaboration, and final design presentations. This course will enable students to realize theoretical costume design projects. 3 lecture hours per week.
THEA - 2900  Independent Study Theatre  3.00 CR
For students seeking specialized training in theatre skills. Teaches practice of performance and theatre technology. Uses directed reading, coaching and projects. Emphasizes skill development. May include realized design and performance work in association with Dixie College Theatre or other performance venues. Students who complete this course should demonstrate skill development beyond the level provided in other Dixie College Theatre courses. Prerequisite: Instructor permission. Variable lab hours per week. Elective credit. Can be repeated for credit.

THEA - 2990  Seminar in Theatre Arts  0.50 - 3.00 CR
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students request some type of non-traditional instruction or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable credit context for these purposes. As requirements, this seminar course must first be pre-approved by the department chair; second, it must provide at least nine contact hours of lab or lecture for each credit hour offered; and third, it must include some academic project or paper (i.e., credit is not given for attendance alone). This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is an elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission. Can be repeated for credit.

THEA - 3033  Mus Studio: Musical Theatre  3.00 CR
For advanced acting students and those seeking instruction in musical theatre performance. Studies a variety of musical styles and teaches the skills and techniques needed to perform them successfully. Students will participate in musical scene study including acting, singing, and dancing. Those who successfully complete the course should have the experience necessary to participate in collegiate and semi-professional musical productions. Prerequisite: THEA 2033. 3 lecture hours per week.

THEA - 3043  Acting Studio: Acting for Camera  3.00 CR
"Acting Studio" courses are for advanced theatre students wanting to specialize in performance. This course is for those seeking instruction in film acting techniques. It is designed to teach the student the techniques of film acting, the mechanics of filming, relationships with agents, on set etiquette and working with a director and crew. The course will use a variety of teaching techniques including reading, lecture, exercises, and on camera scene work. Students who actively participate will learn audition techniques, the mechanics of filming, how to scale their performance to the media, and progress in learning the simplicity of acting in front of the camera. Successful completion of the class prepares the student to begin auditioning for student and professional film projects. "Acting Studio" courses are taught in rotation, repeating every other year. Prerequisite: THEA 2033. 3 lecture hours per week.

THEA - 3113  Accents and Dialects  3.00 CR
A continuation of THEA 1113. Reinforces vocal health lessons while developing additional strength and versatility through the study and performance of various accents and dialects. Instruction in the International Phonetic Alphabet and Lessac methodology. Emphasizes performance skill development through scene study and performance. Uses textbook readings, lecture, media, demonstration, discussion and individual performance. This course should prepare students to perform in Dixie State College Theatre productions and other pre-professional productions. Prerequisite: THEA 1113. 3 lecture hours per week.

THEA - 3250  Sound Design  3.00 CR
This course is for Theatre/Fine Arts majors, and those seeking instruction in sound design. The course will focus on the sound design process and give practical understanding of the tools and technology used in mounting a design. The course will also work to develop an understanding of the artistic benefits of appropriate mood generation and the importance of using sound enhancement to ensure good performer-audience relationships. The course will make use of lectures, laboratory assignments, quizzes and practical exercises. The course will prepare the student to set up a basic sound system, execute minor repairs, and successfully execute a sound design. 3 lecture hours per week.

THEA - 3260  Scene Painting  2.00 CR
Theory and application of basic scene painting/scenic artist techniques for theatre. Surface preparation, priming, base painting, blending and scumbling, texture and taping lessons are applied in producing finished demonstration flats including wall surfaces, wallpaper, bricks, rocks, wood grain and molding, marble, foliage, and copying a selected original. For theatre design and technology students and other interested students. No prerequisites. Fee required. 2 lecture hours per week.

THEA - 3500  Sound Technology  3.00 CR
This course is designed to teach students the components of a modern theatrical sound system. By completing this course students will receive the basic training in how to set up and operate audio systems, including most recording and playback components. 3 lecture hours per week.

THEA - 3600  Directing I  3.00 CR
Theory and practice of the beginning principles of theatre directing, including script selection and analysis, research, production organization, rehearsal structure and techniques, incorporation of design and technology elements, communication skills and leadership. Includes practical application, staging scenes with student actors. Appropriate for individuals interested in learning the basic skills of directing for professional, community or educational theatre. Prerequisite: THEA 1713. 3 lecture hours per week.

THEA - 3610  Directing II  3.00 CR
Theory and practice of the intermediate principles of theatre directing. Incorporating skills learned in THEA 3600 and applying them in the staging one-act plays with student actors. Appropriate for individuals interested in learning the basic skills of directing for professional, community or educational theatre. 3 lecture hours per week.
THEA - 3720  
**Theatre History and Lit I**  
3.00 CR  
This course examines the literature and historical development of Western Theatre from the Renaissance to the 19th Century. In addition to dramatic texts, students examine the impact of performance spaces, aesthetic theories, religious beliefs, and politics of a given era on the development of drama. 3 lecture hours per week.

THEA - 3730  
**Theatre History and Lit II**  
3.00 CR  
This course examines the literature and historical development of Western Theatre from the Renaissance to the 19th Century. In addition to dramatic texts, students examine the impact of performance spaces, aesthetic theories, religious beliefs, and politics of a given era on the development of drama. 3 lecture hours per week.

THEA - 3740  
**Theatre History and Lit III**  
3.00 CR  
This course examines the literature and historical development of 20th Century and Non-Western Theatre. In addition to dramatic texts, students examine the impact of performance spaces, aesthetic theories, religious beliefs, and politics of the era and cultures on the development of drama. 3 lecture hours per week.

THEA - 3880  
**Stage Management**  
3.00 CR  
Introduction to the creative and administrative work of a stage manager, including forms and formats, protocols, and roles of the stage manager in a university production. 3 lecture hours per week.

THEA - 4033  
**Acting Studio: Mask**  
3.00 CR  
"Acting Studio" courses are for advanced theatre students wanting to specialize in performance. Having completed the 1000 and 2000 level acting classes, students will then take a series of four courses designed to increase and expand their performance skills. Through construction and use of neutral and character masks, THEA 4033 will enhance the acting student's specificity of movement, non-verbal communication, characterization and ability to project a variety of emotional states. These courses will be taught in rotation, repeating every other year. Prerequisite: THEA 2033. 3 lecture hours per week.

THEA - 4043  
**Stage Combat**  
3.00 CR  
For acting students seeking both a knowledge of basic stage combat principles and an additional viewpoint of scene analysis and presentation. Studies a variety of stage combat techniques including movement, hand to hand, rapier/dagger, falls, pushes and kicks. Grading will be based on successful demonstration of the covered techniques. Practical application, text, demonstration and lecture will be used. Prerequisite for this course is Acting II (THEA 2033). 3 credit hours per week.

THEA - 4390  
**Costume History**  
3.00 CR  
The course will cover the evolution of world costumes and clothing from 4000 BC to the present as it reflects on the sociocultural and socioeconomic aspects of the times, the individual garment characteristics of each period, and its application to costume design. 3 lecture hours per week.

THEA - 4430  
**Lighting Design II**  
3.00 CR  
This course is a more in depth look at light and how light functions from a designer's viewpoint. This course will include advanced stage design principles, as well as designing for dance and film. Students in this course will also learn advanced technical skills such as automated lighting and drafting programs. Uses textbook, lecture, demonstration and practical application. Prerequisite: THEA 2230. 3 lecture hours per week.

THEA - 4440  
**Costume Design II**  
3.00 CR  
The advanced study of costume design for stage. Emphasis on costuming in terms of the total production concept including directorial approach, scenery, and lighting design. Exploring the more intricate aspects of costuming a theatrical production from first production meetings to opening night. Instruction in illustration and presentation methods necessary to communicate the characters and their costumes effectively. Prerequisite: THEA 2240. 3 lecture hours per week.

THEA - 4500  
**Sound Design**  
3.00 CR  
This course focuses on the creative aspect of audio production. In this course students will learn how to apply the elements of design to sound in creating an auditory environment for the stage. Students will learn the process of sound design in conjunction with Dixie State College production needs. Uses textbook, lecture, demonstration and practical application. Prerequisite: THEA 3500. 3 lecture hours per week.

THEA - 4660  
**Survey of Period Styles/Decor**  
3.00 CR  
For theatre majors and other interested students. An examination of styles and forms of architecture and decoration as these have evolved from ancient Greece to modern times. Students will learn to identify characteristics of major styles in connection with the social, economic, and political history of each period. Course uses reading, lecture, research, and project preparation as components in the learning experience. 3 lecture hours per week.
### Program Overview

This program includes three courses available in a U.S. version. Instructor permission required. Fee required.

### Course Descriptions

1. **TRAV - 1591  Air Reservations/ONLINE  1.00 CR**
   
   Students will be able to gain the product knowledge and skills (with the exception of automated reservations) needed to research, plan, and book air travel. Students will learn the terminology, the policies and the procedures of airline travel and airline reservations. While the sale of air travel is no longer the major revenue producer for travel professionals, it is a vital part of the travel industry as the most used mode of transportation to business destinations, and highly used mode to vacation/leisure destinations. Therefore, becoming an expert on the product, airline policies and procedures, as well as reservation policies and procedures, is essential to each student's success. Fee required.

2. **TRAV - 1592  Ground Transportation/ONLINE  1.00 CR**
   
   Students will find car rental a relatively simple product to sell and book. Commissions are reasonable. Seventy percent of North Americans travel by car while vacationing. Students will learn the basics of the product, policies, procedures, codes, pricing and distribution. Rail travel recaptures the image of a different time and appeals to many leisure travelers. This study focuses on Amtrak, VIA Rail, BritRail, and Eurail, the types of train accommodations, services, and fare structures. Fee required.

3. **TRAV - 1593  Hospitality/ONLINE  1.00 CR**
   
   Students will earn great commissions by the practice of booking client's hotel accommodations. Opportunities will be provided for students to learn the basics of the hotel product, rate structure, property and room classifications, codes, published and automated resources, and non-automated reservation procedures. Students will learn how to identify guest's preferences, learn the variables that affect prices, and to select the right hotel for any given client. An additional option available is to enjoy the hotel sales training program developed by Marriott, entitled "Hotel Excellence". Fee required.

4. **TRAV - 1594  Vacation Packages/Tours/ONLINE  1.00 CR**
   
   Fee required.

5. **TRAV - 1595  The Cruise Market/ONLINE  1.00 CR**
   
   Cruise bookings are one of the fastest growing segments of the travel industry. Students will learn the basics of the cruise product, cruise classifications, destinations, and types of cruises, print resources and non-automated reservations procedures. Students will also learn how to identify their client's needs and preferences, the variables that are available in cruising and how to select and book the right cruise for any given client. Fee required.

6. **TRAV - 1611  Automated Air Reserv/ONLINE  2.00 CR**
   
   Students will become proficient in the automation systems used by airlines and their authorized agents. Students will learn and practice the basic functions of Sabre as used by travel professionals to plan and book air travel. Students will create multiple PNRs (passenger name records) as they master the basics of booking and maintaining clients air travel. Exercises and drills will improve student proficiency and speed. Students will use RTS, a hands-on simulation of Sabre, in conjunction with the online tutorial. The full RTS Sabre simulation program includes three courses available in a US version. Instructor permission required. Fee required.

7. **TRAV - 1621  Destination Geog/ONLINE  3.00 CR**
   
   This course covers every country in the Western Hemisphere using outline maps. The course provides an understanding of basic geographical features from a travel and tourism perspective. Climate, weather, and land forms are included, as are the country capitals, population, religion, currency, electricity, language and tourist attractions. Fee required.

8. **TRAV - 1711  Travel Sales & Trends/ONLINE  2.00 CR**
   
   Students will enjoy expected, as well as surprising, sales techniques and new approaches as they explore and practice using them. Telephone business manners, listening skills, and tools for targeting the traveler are among the topics included. Students will discover successful sales steps for telephone reservation agents as well as for the travel professionals working with clients one on one. Trends in the industry, including the use of the Web for a variety of travel resources, will be covered. This is an excellent introductory course. Fee required.

9. **TRAV - 1731  Air Travel US Dom/ONLINE  2.00 CR**
   
   Students will learn airfare terms, codes, airfare construction principles, and fare application rules necessary to find, interpret, and apply the lowest applicable fare to a client's air itinerary. Students will practice the interpretation of multiple air transportation taxes and fees applicable to air travel. Airfares are historically difficult to interpret and apply. This course presents the basics in a simple format with many applications to allow students to become proficient in utilizing the basics in a simple format, with many applications. Fee required.

10. **TRAV - 1732  ARC Documents/ONLINE  1.00 CR**
    
    This is a ticketing course. Air travel clients will need a ticket and boarding pass to board the aircraft at departure time. The airline tickets used for air travel in the United States are issued, controlled, and processed through an Area Settlement Plan administered by the Airline Reporting Corporation (ARC). This course will cover the ticketing types, forms, policies and procedures per the ARC, as well as, forms of payment, refunds and exchanges. Instructor permission required. Fee required.

11. **TRAV - 1771  Automated Airfares&Tic/ONLINE  1.00 CR**
    
    Students will become proficient in the automation systems used by airlines and authorized agents as they continue to practice creating PNRs and add the skills of interpreting fare quote displays and rule displays, pricing and ticketing. Exercises and drills will improve student proficiency and speed. Students will use RTS, a hands-on simulation of Sabre in conjunction with the online tutorial. The full RTS Sabre simulation program includes three courses available in a U.S. version. Instructor permission required. Fee required.
TRAV - 1772  Automated Car Rnt/Hotel/ONLINE  1.00 CR

Students will become proficient in the automation systems used by airlines and their authorized agents. Students will add to their skills as they interpret car rental and hotel accommodation rates, availability, product and procedures displays, and book the reservations. Exercises and drills will improve student proficiency and speed. Students will use RTS, a hands-on simulation of Sabre in conjunction with the online tutorial. The full RTS Sabre program includes three courses available in a US version. Instructor permission required. Fee required.

TRAV - 1831  Fares & Tickets Intertnl/ONLIN  2.00 CR

International air travel has expanded exponentially in the past decade and promises to continue to grow. This course will provide students with the skills required to meet the needs of their international air travelers. These skills include an understanding of the two basic international faring systems, mileage and routing as well as currency procedures, including the use of the fictitious currency, Neutral Units of Construction. The student will learn to interpret all the data found in the faring and pricing information in the CRS and as printed on international tickets. This includes international fare basis codes, base fares, taxes, surcharges, currency codes and mileage principle coding as applicable. Fee required. Prerequisites: TRAV 1591 and TRAV 1731 and instructor permission required.

VT - 1300  Communication Design  3.00 CR

This is an entry class for the visual technologies and CIT program. Explores the elements of design in which advertising, computer graphics, and graphic arts are structured. Builds awareness and skill in creating designs, using the concepts of composition, proportion, alignment, contrasts, white space, typography, eye movement, and element control. Emphasis is placed on the value of these concepts to communicate ideas. Prepares students for more advanced design projects using computer-based tools. No prerequisites required. 3 lecture hours per week.

VT - 1400  Intro to Internet Development  3.00 CR

Entry course for the visual technologies and CIT program. Provides a hands-on experience for students interested in internet development. Teaches fundamental web development skills including writing HTML code, planning and organizing web sites, storyboarding, internet development environments, and creating and organizing graphics for multiple types of online use. Also examines competitive online markets, technical issues, legal framework, as well as production issues associated with internet development. No prerequisites required. 3 lecture hours per week.

VT - 2500  Computer Illustration  3.00 CR

For students pursuing a certificate in visual technology or a baccalaureate CIT degree. May also be used as an elective in an Associate Degree. Provides a hands-on introduction and overview of advertising design and illustration techniques using the computer and popular PostScript-based computer illustration. Prepares students to create original artwork usable in multimedia, internet publishing, or desktop publishing. Homework assignments require access to computer with the designated software installed. May use Macintosh or PC-compatible computer. Prerequisite: VT 1300 with a C- or better. 3 lecture hours per week.

VT - 2600  Creative Imaging  3.00 CR

Companion course to VT 2500. May be taken before, concurrently, or in linear sequence with VT 2500. For students pursuing a certificate in either Visual Technologies, an Associate Degree, or a CIT four-year degree. Provides a hands-on introduction and overview to computer photo-manipulation and designing graphics on the computer. Emphasis is on tools and techniques used for editing and retouching photographs and creating original images with photo-like qualities for use in advertising. Prepares students to create original artwork usable in multimedia, internet publishing, desktop publishing, or video effects. Homework assignments require access to computer with the designated software installed. May use Macintosh or PC-compatible computer. No prerequisites required but VT 1300 recommended. 3 lecture hours per week.

VT - 2700  Typography  3.00 CR

A study of basic layout, lettering, type design, identification of styles and typographic history. Students learn how to use type as a basic element of graphic communication, how the use of different typefaces visually communicate a desired effect, and fundamental terminology of type specification. Prerequisite: VT 2500 with a C- or better. 3 lecture hours per week.

VT - 2990  Seminar in Visual Technologies  0.50 - 3.00 CR

For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students demand some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be approved by the department; second, it must provide for a minimum of nine contact hours of lab or lecture time for each credit hour offered; and third, it must include some academic project or paper, i.e., credit is not given for attendance alone. This course may include traditional lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission.

VT - 3000  Internet Publishing and Design  3.00 CR

Upper level curriculum for students pursuing a degree in Computer and Information Technology (CIT) or advanced skills in visual technologies or web development. Teaches internet publishing and design principles and concepts. Topics include interface design PHP scripting, intermediate and advanced HTML (Hypertext Markup Language) techniques, Cascading Style Sheets, XML (Extensible Markup Language), JavaScript, QuickTime Virtual Reality (QTVR), and other advanced web publishing tools. Emphasis is on interface design and appropriate use of technologies in Internet development. Prerequisites: CS 1400, VT 1400, VT 2500, and VT 2600, all with a C- or better. 3 lecture hours per week.

VT - 3100  Interactive Multimedia  3.00 CR
For students interested in authoring interactive multimedia presentations. Introduces the hardware and software used to integrate text, sound, graphics, animation, and video into rich-content multimedia projects. Course includes lecture, hands-on step-by-step examples, and assignments to be completed as homework. Students learn the process of creating multimedia projects through the use of various computer-based disciplines, including graphic design, digital video, interface architecture, and light OOP-structured programming. This is an upper division course in the CIT baccalaureate degree program, but it may also be used as an elective in an Associate Degree or the Visual Technologies certificate. Homework assignments require access to computer with the designated software installed. May use Macintosh or Windows-compatible computer. Upon successful completion of this course, students should be able to create interactive multimedia presentations with professionally designed interfaces and rich content that is capable of delivery via a web browser or in a stand-alone application. Prerequisites: CS 1400, VT 2500 and VT 2600, all with a C- or better. 3 lecture hours per week.

VT - 3200  Portfolio Preparation  3.00 CR
Advanced design course for the Visual Technologies program. Students will be taught advanced design principles to solve a variety of design problems. The emphasis in this class is the designing for commercial media including proper typography and the use of type as a graphic element. The successful students will be prepared to deal with design issues and project management problems likely to be found in a work environment. Prerequisites: VT 2500 and VT 2600, both with a C- or better. 3 lecture hours per week.

VT - 3300  Intro to Digital Video Editing  3.00 CR
Upper division course in the CIT baccalaureate degree program. May also be used as an elective in an Associate Degree or the Visual Technologies certificate. This course introduces students to essentials of editing video and audio with computers. Concepts are taught that may be applied to TV & video production, multimedia authoring, and/or Internet video streaming. Techniques are presented for digitizing video and audio from standard analogue sources or digital sources, selecting footage from source clips, constructing transitions, titling, creating and using alpha channel or other matte techniques, and other special effects as needed. Current hardware requirements/limitations and future technology developments will also be discussed. Upon successful completion of this course, students will be able to edit and assemble professional-grade video in either QuickTime or MPEG formats that will play on any computer or that will output to videotape. Prerequisites: CS 1400, VT 2500 and VT 2600, all with a C- or better. 3 lecture hours per week.

VT - 3600  3-D Visualization  3.00 CR
Introduces student to three-dimensional modeling and rendering on the computer. Techniques for creating 3-D models, defining and applying textures, assembling scenes and rendering images will be. Gives students an additional computer-based tool to create realistic package and product designs, as well as exciting graphics for desktop or Internet publishing projects. This is an upper division course in the CIT baccalaureate degree program. It may also be used as an elective in an Associate Degree of the Visual Technologies certificate. Homework assignments require access to computer with the designated software installed. May use Macintosh or PC-compatible computer. Upon successful completion of this course, students should be able to create 3-D models of various complexities, then render still images and/or animation sequences for video, multimedia, or internet web page content. Prerequisites: CS 1400, VT 2500, and VT 2600, all with a C- or better. 3 lecture hours per week.

VT - 3700  Business for Graphic Designers  3.00 CR
The goal of this course is to convey business procedures related to the graphic design profession. Topics covered include professional/client relationships, time management, job cost analysis, contracts, general business management skills, marketing and business planning. Prerequisite: VT 1300. 3 lecture hours per week.

VT - 3710  Advanced Typography  3.00 CR
Students will develop typographic solutions that explore verbal/visual messages. Projects include designs for publication (e.g. posters, brochures, packaging and graphic campaigns). Typography as a functional and experimental medium will be stressed. Design problem-solving for a diverse range of specifications, including audience, client needs and budget constraints, are included. Traditional and digital tools will be incorporated to produce final products. Prerequisites: VT2500 and VT2700, both with a C- or better. 3 lecture hours per week.

VT - 3750  Graphic Design History  3.00 CR
This course is structured around a thematic approach to Graphic Design history and will provide a necessary historical basis for students. The course will involve lectures on design history, pioneering designers, design from other cultures and countries, graphic design artifacts, and the historical context for these topics. In addition to lectures, the course will involve videos, participatory exercises and discussion and essay writing, which will build critical thinking skills. Prerequisite: VT 2700 with a C- or better. 3 lecture hours per week.

VT - 3780  Prepress and Print Production  3.00 CR
An overview course which discusses the impact of desktop publishing and digital imaging on the prepress industry. Topics include input and output; correct creation of digital files; data storage; proofing methods; relevant terminology/communication with prepress and printing professionals. This course acquaints students with the variety of jobs offered in the field, file evaluation, and much more. Field trips to printers and other prepress service providers reinforce lectures/projects. Prerequisites: VT 2500 and VT 2600, both with a C- or better. 3 lecture hours per week.

VT - 3800  Corporate Identity  3.00 CR
This course is for upper division students enrolled in the CIT and/or Business/VT emphasis degree. It is also designed for students who wish to develop a communication design for business use. This course will explore the history, psychology and purpose of corporate identity programs and the role of communication design in the current corporate environment. The student will analyze, investigate and report on current company corporate objectives and target markets and then design a sound multifaceted identity program to help them further reach their goals. Prerequisite: VT 2500 with a C- or better. 3 lecture hours per week.

VT - 4000  Dynamic Web Development  3.00 CR
Upper level curriculum for students pursuing a degree in CIT or for individuals seeking advanced skills in visual technologies or web development. This course teaches dynamic web development using PHP, an open source server side scripting environment and MySQL, an open source database application. Topics include basic scripts and functions, variables, form processing, server side includes, web database integration, database design, database driven web sites, security, and web management systems. Prerequisite: VT 3000 with a C- or better. 3 lecture hours per week.
Course for students pursuing a degree in CIT. This course will instruct students in client-side web development using JavaScript. Topics include form validation, interactive web page development, DOM manipulation, client-side applications, and interaction with sever-side applications. Students will be required to complete programming projects and design web applications. Prerequisites: CS 1410 and VT 3000, both with a C- or better. 3 lecture hours per week.

VT - 4100 Interactive Web Development 3.00 CR

Upper division course on the integration and application of multiple media with appropriate delivery systems. This course is for advanced students in the CIT baccalaureate degree program. Emphasis is on real-world projects using the full repertoire of graphics software that had been learned through previous courses in the Visual Technologies program. Portfolio-grade projects developed through this course will add credibly to a student's job skills. There are significant homework assignments from which there will be a high expectation of quality work. Upon completion, students should have a solid grasp of how to develop and deliver content-rich projects with high production value. Prerequisite: VT 3100 with a C- or better. 3 lecture hours per week.

VT - 4600 Senior Project 3.00 CR

For advanced CIT and Visual Technologies students with interest in creating professional commercial-grade projects. Emphasis is on applying skills learned in the CIT program to commercial projects in the workplace. Students will have opportunity to design or contribute to various private sector projects as well as campus internet projects, print, and multimedia projects (contingent on availability). Many high-end commercial art applications, programming projects, techniques, and technologies will be practiced. Portfolio development will be emphasized. Course is an individual workshop format, with one-on-one meetings with the instructor(s) to review project progress. Upon completion, students will have real-world experience and a higher expectation of their own creative talents. Prerequisites: VT 3000 and VT 3100, both with a C- or better and instructor permission required.

VT - 4700 Publication Design 3.00 CR

Explores the creative, functional and aesthetic aspects of editorial design with emphasis on page layout. Upon completion of this course, students should be able to understand the significance of consistency and thematic continuity; develop aesthetic awareness; integrate design principles, color and typographic theory; develop visual judgment in the arrangement of type and images to effectively convey visual messages. Prerequisites: VT 2500, VT 2600, and VT 2700, all with a C- or better. 3 lecture hours per week.

VT - 4750 Package Design 3.00 CR

Students apply design principles in a 3-D form by creating containers for a variety of products. Emphasis is placed on promotion, impact, construction, display and function of the design; the course also aims to provide an understanding of market studies on design impact and effectiveness through the production of 3-D prototypes. Prerequisites: VT 2500, VT 2600, and VT 2700, all with a C- or better. 3 lecture hours per week.

VT - 4900 Independent Research 1.00 - 3.00 CR

Independent research of readings in areas not fully covered by core or elective courses. Instructor permission required.

VT - 4910 Senior Graphic Design Exhibit 3.00 CR

Under the guidance of the instructor, students collaborate to plan, design and host an exhibit or create a self-promotion project which features their work to members of the design community with the goal of gaining post-graduation employment. Prerequisite: VT Senior in final semester and instructor approval.

VT - 4920 Internship 1.00 - 3.00 CR

Internship course in Visual Technologies. Instructor permission required.

VT - 4990 Seminar in Visual Technologies 0.50 - 3.00 CR

For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students demand some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This seminar course provides a variable-credit context for these purposes. As requirements, this seminar course must first be approved by the department; second, it must provide for a minimum of nine contact hours of lab or lecture time for each credit hour offered; and third, it must include some academic project or paper, i.e., credit is not given for attendance alone. This course may include traditional lectures, travel and field trips, guest speakers, laboratory exercises, or other non-traditional instruction methods. Note that this course is elective and does not fulfill general education or program requirements. Prerequisite: Instructor permission required.