

## INTERDISCIPLINARY STUDIES COLLEGE OF ARTS AND SCIENCES

Dr. Peter Grant, Dean  
Science Building, Room 210  
Phone: (580) 774-3704  
E-mail: [peter.grant@swosu.edu](mailto:peter.grant@swosu.edu)  
<http://www.swosu.edu/interdisciplinary/>

### PROGRAM GOALS

The primary educational goals and objectives of the Bachelor of Arts Interdisciplinary Studies degree program are as follows:

Educational goals for this degree are to

- Facilitate life-long learning goals.
- Provide opportunities for learners to develop further knowledge in three discipline areas.
- Allow learners flexibility in designing an interdisciplinary curriculum to meet their individual needs and goals not served by traditional majors.
- Provide an avenue of higher education that meets the needs of learners whether for personal enrichment or professional advancement.
- Provide learners with education mobility options in a world where career changes are increasing.

Educational objectives for this degree are to assist learners in

- Acquiring a broad knowledge in a variety of disciplines.
- Completing the same general education curriculum as traditional students.
- Developing specialized knowledge in three discipline areas.
- Enhancing critical thinking, communication and problem solving skills.
- Gaining intellectual knowledge and experiencing personal growth and enrichment through a broad-based curriculum of study.

### PROGRAM OF STUDY

**Major:** B.A. Interdisciplinary Studies

**Minor:** Multidisciplinary Studies

### GENERAL INFORMATION

The Interdisciplinary Studies program offers maximum flexibility for self-improvement and career enhancement for students who wish to design their own course of study, change their majors late in their academic career, return to SWOSU with new career insights, or attend the University on an irregular basis.

The rapid pace of changes in society and the workplace provides diverse opportunities for the broadly educated academic generalist. Interdisciplinary Studies foster receptivity to new information and innovation. Many employers seek interdisciplinary graduates, finding them well prepared, flexible, adaptive, and able to readily acquire more specialized skills in the workplace.

Increasingly, students are selecting broad-based programs to meet their educational and career goals. Some seek careers in areas that do not require highly concentrated courses of study. When given the opportunity, these students frequently select courses of study that better align with their interests. Employers sometimes seek graduates with broad educational backgrounds. For example, a solid foundation in chemistry, biology, and engineering technology is invaluable to graduates seeking work in environmental science. Multinational companies seek employees well versed in business, international politics, and a foreign language. Individuals wishing to start their own businesses may choose a science or engineering area, management and computer science. The number of students seeking diverse educational programs is growing, as evidenced by the numerous multidisciplinary programs offered through the nation. This program is designed to meet the diverse and changing needs of students and the market place.

## Bachelor of Arts Interdisciplinary Studies (Code No. 190)

### GENERAL EDUCATION

Courses that are **required** are in bold type.  
Courses that are *recommended* are in italics.

**TOTAL GENERAL EDUCATION HOURS** ..... **Min. 40**  
**REQUIRED CORE COURSES**..... **31-35**

**Written Communication**..... **6**  
**ENGL 1113 English Composition I**  
**ENGL 1213 English Composition II**

**Mathematics**..... **3**  
*Select one course.*  
MATH 1143 Mathematical Concepts  
MATH 1153 Mathematical Applications  
MATH 1513 College Algebra  
or a higher numbered math course

**U. S. History** ..... **3**  
*Select one course.*  
HIST 1043 U.S. History to 1877  
HIST 1053 U.S. History since 1877

**American Government**..... **3**  
**POLSC 1103 American Government & Politics**

**Science**..... **7-8**  
*Select one course from Life Science and one course from Physical Science. One Science course must be a lab science.*

**Life Science**..... **3-4**  
BIOL 1004 Biological Concepts w/Lab  
BIOL 1054 Principles of Biology I w/Lab  
BIOL 1013 Current Issues in Biology

**Physical Science**..... **3-4**  
ASTRO 1904 Astronomy  
CHEM 1004 General Chemistry w/Lab  
GEOL 1934 Physical Geology w/Lab  
SCI 1513 Conc of Phy Science (may also take w/lab)  
SCI 1501 Concepts of Phy Science Lab  
PHY 1044 Basic Physics I w/Lab  
PHY 1063 General Physics  
or a higher numbered chemistry or physics course

**Humanities** ..... **6**  
HUM 1103 Introduction to Humanities  
**OR**  
HIST 1033 World History  
**AND one of the following:**  
ART 1223 Art Survey  
COMM 1263 Introduction to Theatre  
LIT 2333 Introduction to Film  
LIT 2413 Introduction to Literature  
MUSIC 1013 Introduction to Music I  
MUSIC 1103 Music and Culture  
PHILO 1453 Introduction to Philosophy

**Human, Cultural, & Social Diversity** ..... **3-4**  
*Select one course.*  
ASL 2163 American Sign Language  
CATC 1204 Cheyenne Language I (or higher number)  
CATC 1254 Arapaho Language I (or higher number)  
COMM 1313 Introduction to Public Speaking  
ECONO 2263 Intro to Macroeconomics  
ECONO 2363 Intro to Microeconomics  
GEOG 1103 World Cultural Geography  
ITAL 1004 Elementary Italian I  
KINES 1133 Wellness Concepts & Exercise Applications  
LATIN 1054 Elementary Latin I (or higher number)  
PSYCH 1003 General Psychology

*Continued next column*

SOCIO 1003 Introduction to Sociology  
SPAN 1054 Elementary Spanish I (or higher number)  
TECH 1223 Technology and Society

**Computer Proficiency** ..... **0-3**  
Students must demonstrate computer proficiency (high school Computer Science course, SWOSU computer proficiency exam, or COMSC 1023 Computer & Info Access).

**GE electives** (from at least two different categories)..... **to total 40**

### INTERDISCIPLINARY STUDIES MAJOR/MINOR

**Three Discipline Areas of Emphasis** ..... **63**  
Choose 3 discipline areas from the list below. Each discipline area of emphasis must include 21 credit hours.

#### Discipline Areas:

|                         |                   |
|-------------------------|-------------------|
| Allied Health Sciences  | English           |
| American Indian Studies | History           |
| Art                     | Kinesiology       |
| Biology                 | Mathematics       |
| Business                | Music             |
| Chemistry               | Parks & Rec Mgmt  |
| Communication & Theatre | Physics           |
| Computer Science        | Political Science |
| Criminal Justice        | Psychology        |
| Economics               | Spanish           |
| Education               | Technology        |

*Maximum Independent Study/Directed Reading courses are limited to a total of five credit hours per discipline.*

**Free Electives** ..... **17**

**Total Hours Required for Degree** ..... **120**

*Courses taken in one area, i.e. General Education, Discipline Areas or Free Electives, may not be used to meet any other requirements of the degree.*

### REGULATIONS PERTAINING TO GRADUATION

Minimum credit hours for graduation ..... 120  
Minimum credit hours in the liberal arts & sciences.....80  
Minimum credit hours in upper-division  
(3000/4000 courses) .....40  
Minimum credit hours (3000/4000 courses  
in discipline areas completed at SWOSU ..... 8  
Minimum credit hours at SWOSU  
(15 of the last 30).....30  
Minimum grade point average in all coursework 2.00

**DISCIPLINE AREA REQUIREMENTS** (Choose 3 areas with 21 hours each to total 63 hours)

**ALLIED HEALTH SCIENCES**

|             |                          |              |                            |            |                            |
|-------------|--------------------------|--------------|----------------------------|------------|----------------------------|
| ALHLT 1401  | Allied Health Careers    | ALHLT 3183   | Cultural Comp. in Hlthcare | ALHLT 4093 | Epidemiology               |
| ALHLT 2045  | EMS I                    | ALHLT 3193   | U.S. Healthcare System     | ALHLT 4123 | Hlthcare Revenue Cycle     |
| ALHLT 2055  | EMS II                   | ALHLT 3861-4 | Health Science Internship  | ATEP 2633  | Cardiac and Emerg Care     |
| ALHLT 2066  | Advanced EMT             | ALHLT 3933   | Healthcare Management      | HIM 3122   | Intro to Elec Hlth Records |
| ALHLT 2453  | Medical Terminology      | ALHLT 3963   | Healthcare Project Mngmt   | HIM 3363   | Hlthcare Comp. & Risk      |
| ALHLT 3043  | Health Statistics        | ALHLT 3972-8 | Health Care Internship     | HIM 3453   | Hlthcare Reimb             |
| ALHLT 3043L | Health Statistics Lab    | ALHLT 4043   | Healthcare Law & Ethics    | HIM 4113   | Hlthcare Quality Measures  |
| ALHLT 3053  | Adv. Medical Terminology | ALHLT 4074   | Pathophysiology            |            |                            |
| ALHLT 3073  | Diag., Drugs & Therapeu  | ALHLT 4081   | Hlth. Sci. Senior Summit   |            |                            |

**AMERICAN INDIAN STUDIES**

|            |                         |            |                        |            |                           |
|------------|-------------------------|------------|------------------------|------------|---------------------------|
| ART 3593   | American Art History    | HIST 4313  | American West          | KINES 4013 | Nat Am Wellness Conc      |
| ART 4393   | Non-Western Art History | HIST 4353  | History of Oklahoma    | LIT 3513   | Lit of the Am West        |
| ENTRP 1123 | Intro to Business       | KINES 1153 | Nutrition              | LIT 4593   | Diversity in Am Lit       |
| HIST 4103  | American Indians        | KINES 3393 | Nutrition for Children | SOCIO 3043 | Racial and Cultural Minor |

Other options include seminars, directed readings, internships and independent study courses dealing with a Native American theme and Native American language courses.

**ART**

|            |                         |          |                                |          |                            |
|------------|-------------------------|----------|--------------------------------|----------|----------------------------|
| ART 1113   | Fundamentals of Art     | ART 3353 | Clay Studio                    | ART 3953 | Professional Practice      |
| ART 1123   | Foundations I, Drawing  | ART 3413 | Sculpture Studio               | ART 4163 | Portfolio                  |
| ART 1133   | Found II, Two-Dim Des   | ART 3483 | Printmaking Studio             | ART 4253 | Applied Design             |
| ART 1143   | Found III, 3-Dim Design | ART 3513 | Intermediate Graphic Design I  | ART 4313 | Painting Studio            |
| ART 2011-4 | Seminar in Art          | ART 3613 | History of Art I               | ART 4333 | Studio Drawing             |
| ART 2113   | Acrylic Techniques      | ART 3653 | History of Art II              | ART 4353 | Modern Art History         |
| ART 2133   | Intro to Graphic Design | ART 3683 | Illustration Studio            | ART 4383 | Art History Since 1945     |
| ART 2143   | Hist of Graphic Design  | ART 3753 | Life Drawing                   | ART 4393 | Non-Western Art Survey     |
| ART 3011-4 | Seminar in Art          | ART 3783 | Intermediate Graphic Design II | ART 4413 | Advanced Graphic Design II |
| ART 3113   | Watercolor Studio       | ART 3853 | Typographic Design             | ART 4651 | Senior Exhibit             |
| ART 3153   | Figure Drawing          | ART 3883 | Advertising Design             |          |                            |
| ART 3213   | Computer Graphics       | ART 3923 | Advanced Graphic Design I      |          |                            |

**BIOLOGY**

**Students who select Biology as a discipline area must take BIOL 1054 Principles of Biology (required) in place of Biological Concepts.**

|             |  |             |   |            |                             |
|-------------|--|-------------|---|------------|-----------------------------|
| BIOL 1054   | Principles of Biology I  | BIOL 4021-4 | Spec Topics Biomed Sci                      | BIOL 4454L | Plant Taxonomy Lab          |
| BIOL 1054L  | Princ of Biology Lab I   | BIOL 4031-4 | Spec Topics Microbiology                    | BIOL 4463  | Virology                    |
| BIOL 1254   | Principles of Biology II   | BIOL 4041-4 | Spec Topics Environ &<br>Organismal Biology | BIOL 4503  | Microbial Physiology        |
| BIOL 1254L  | Princ of Biology II Lab  | BIOL 4154   | Developmental Biology                       | BIOL 4523  | Environmental Microbiology  |
| BIOL 3012   | Biology Terminology  | BIOL 4154L  | Developmental Biology Lab                   | BIOL 4604  | Terrestrial Ecology         |
| BIOL 3053   | Cell Biology   | BIOL 4204   | Vertebrate Biology                          | BIOL 4604L | Terrestrial Ecology Lab     |
| BIOL 3152   | Genetics & Cell Biol Lab   | BIOL 4204L  | Vertebrate Biology Lab                      | BIOL 4622  | Econ Import Plants          |
| BIOL 3253   | Genetics   | BIOL 4213   | Immunology                                  | BIOL 4703  | Infect Disease Epidemiology |
| BIOL 3283   | Ecology  | BIOL 4254   | Invertebrate Biology                        | BIOL 4853  | Evolution                   |
| BIOL 3304   | Aquatic Ecology  | BIOL 4254L  | Invertebrate Biology Lab                    | BIOL 4864  | Human Genetics              |
| BIOL 3304L  | Aquatic Ecology Lab  | BIOL 4284   | Parasitology                                | BIOL 4864L | Human Genetics Lab          |
| BIOL 3604   | Biology of Insects   | BIOL 4284L  | Parasitology Lab                            | BIOL 4914  | Gen Comparative Physiology  |
| BIOL 3604L  | Biology of Insects Lab   | BIOL 4314   | Environmental Biology                       | BIOL 4914L | Gen Comp Physio Lab         |
| BIOL 3704   | Human Anatomy  | BIOL 4314L  | Environmental Biology Lab                   | BIOL 4935  | Cell Molecular Biology      |
| BIOL 3704L  | Human Anatomy Lab  | BIOL 4343   | Applied Microbiology                        | BIOL 4935L | Cell Molecular Biology Lab  |
| BIOL 3814   | Biology of Plants  | BIOL 4355   | Microbiology                                | BIOL 4944  | Neurosciences               |
| BIOL 3814L  | Biology of Plants Lab  | BIOL 4355L  | Microbiology Lab                            | BIOL 4944L | Neurosciences Lab           |
| BIOL 3904   | Human Physiology   | BIOL 4404   | Pathogenic Microbiology                     | BIOL 4974  | Histology                   |
| BIOL 3904L  | Human Physiology Lab   | BIOL 4404L  | Pathogenic Microbio Lab                     | BIOL 4974L | Histology Lab               |
| BIOL 4010-4 | Seminar in Biology<br>(A maximum of 4 hrs total of seminar<br>may be counted toward major) | BIOL 4454   | Plant Taxonomy                              |            |                             |

**BUSINESS**

**Courses with an \*\* require prerequisite(s)**

|            |                          |            |                            |            |                          |
|------------|--------------------------|------------|----------------------------|------------|--------------------------|
| ACCTG 2213 | Prin of Financial Acctg  | ACCTG 4513 | Auditing II*               | ENTRP 3923 | Adv Comp Business App*   |
| ACCTG 2313 | Prin of Managerl Acctg   | ACCTG 4613 | Advanced Accounting*       | ENTRP 4013 | Sem in Entrepreneurship  |
| ACCTG 3213 | Accounting Info Systems* | ACCTG 4623 | Accounting Theory*         | ENTRP 4123 | Professional Issues      |
| ACCTG 3313 | Intermediate Acctg I*    | ACCTG 4643 | Global Acct, Finan Invest* | ENTRP 4233 | Leadership and Gender    |
| ACCTG 3323 | Intermediate Acctg II*   | ACCTG 4763 | Adv Cost/Managal Acct*     | ENTRP 4513 | Business Intelligence    |
| ACCTG 3493 | Analyzing Finan State*   | ACCTG 4853 | Comp Forensics Analysis*   | FINAN 3213 | Risk Management*         |
| ACCTG 3713 | Cost Accounting*         | ENTRP 1123 | Introduction to Business   | FINAN 3313 | Real Estate*             |
| ACCTG 4013 | Seminar in Accounting*   | ENTRP 3113 | Intro to MIS*              | FINAN 3343 | Business Finance         |
| ACCTG 4113 | Acctg Gov't NonprofiOrg* | ENTRP 3123 | Legal Env of Business      | FINAN 3353 | Personal Financial Plan* |
| ACCTG 4213 | Auditing I*              | ENTRP 3223 | Commercial Law*            | FINAN 3493 | Analyzing Finan State*   |
| ACCTG 4223 | Computerized Acctg*      | ENTRP 3313 | Real Estate                | FINAN 3663 | Investments*             |
| ACCTG 4253 | Intro to Comp Forensics* | ENTRP 3423 | Business Comm*             | FINAN 4013 | Seminar in Finance*      |
| ACCTG 4313 | Income Tax Acctg I*      | ENTRP 3723 | International Business*    | FINAN 4063 | Finan Institutions/Mrkt* |
| ACCTG 4323 | Income Tax Acctg II*     | ENTRP 3823 | Quantitative Meth Bus*     | FINAN 4123 | Managerial Ethics*       |

|            |                          |            |                         |            |                          |
|------------|--------------------------|------------|-------------------------|------------|--------------------------|
| FINAN 4213 | Commercial Bank Mgmt*    | MNGMT 4113 | Gender Iss HR Mgmt Dev  | MRKTG 3263 | Retail Management*       |
| FINAN 4233 | Small Business Finance*  | MNGMT 4123 | Managerial Ethics*      | MRKTG 3313 | Real Estate*             |
| FINAN 4263 | Financial Management*    | MNGMT 4133 | Prod/Operations Mgmt*   | MRKTG 3443 | Consumer Behavior*       |
| FINAN 4393 | International Finance*   | MNGMT 4183 | Sales Skills & Mgmt*    | MRKTG 4013 | Seminar in Marketing*    |
| FINAN 4513 | Portfolio Management I*  | MNGMT 4213 | Crisis Management*      | MRKTG 4123 | Services Marketing*      |
| FINAN 4523 | Portfolio Management II* | MNGMT 4233 | Services Management*    | MRKTG 4133 | Sports Marketing*        |
| FINAN 4763 | Opt, Futures Deriv & Sec | MNGMT 4243 | Practical Mgmt Skills*  | MRKTG 4143 | Marketing Management*    |
| MNGMT 3233 | Management               | MNGMT 4283 | Team Management*        | MRKTG 4183 | Sales Skills & Mgmt*     |
| MNGMT 3243 | Promotional Strategy*    | MNGMT 4313 | Event Management*       | MRKTG 4243 | Marketing Research*      |
| MNGMT 3313 | Real Estate*             | MNGMT 4323 | Project Management*     | MRKTG 4443 | Channel of Distribution* |
| MNGMT 3333 | Human Resource Mgmt      | MNGMT 4433 | Entrep/New Venture*     | MRKTG 4543 | Industrial Marketing*    |
| MNGMT 3433 | Dynamics of Org Mgmt*    | MNGMT 4633 | International Mgmt*     | MRKTG 4643 | International Marketing* |
| MNGMT 3533 | Organizational Behavior* | MRKTG 3143 | Principles of Marketing |            |                          |
| MNGMT 4013 | Seminar in Management*   | MRKTG 3243 | Promotional Strategy*   |            |                          |

### CHEMISTRY

|             |                          |             |                         |            |                          |
|-------------|--------------------------|-------------|-------------------------|------------|--------------------------|
| CHEM 1203   | Gen Chem I Lecture       | CHEM 3124   | Quantitative Analysis   | CHEM 4223  | Polymer Chemistry        |
| CHEM 1252   | Gen Chem I Lab           | CHEM 3124L  | Quant Analysis Lab      | CHEM 4223L | Polymer Chemistry Lab    |
| CHEM 1303   | Gen Chem II Lecture      | CHEM 3233   | Inorganic Chemistry     | CHEM 4234  | Instrum Analysis         |
| CHEM 1352   | Gen Chem II Lab          | CHEM 3211   | Inorganic Chem Lab      | CHEM 4234L | Instr Analysis Lab       |
| CHEM 2011-4 | Sem in Chemistry         | CHEM 3244   | Environmental Chemistry | CHEM 4254  | Ind Chem & Environ Reg   |
| CHEM 2112   | Structure and Bonding    | CHEM 3244L  | Environmental Chem Lab  | CHEM 4313  | Adv Organic Synthesis    |
| CHEM 2114   | Organic/Biochemistry     | CHEM 4011-4 | Seminar in Chemistry    | CHEM 4344  | Physical Chemistry I     |
| CHEM 2114L  | Organic/Biochem Lab      | CHEM 4021   | Organic Chem II Lab     | CHEM 4344L | Physical Chem I Lab      |
| CHEM 2612   | Principles of Lab Safety | CHEM 4113   | Organic Chemistry II    | CHEM 4353  | Materials Chemistry      |
| CHEM 3013   | Organic Chemistry I      | CHEM 4115   | Organic Chemistry II    | CHEM 4454  | Physical Chem II         |
| CHEM 3015   | Organic Chemistry I      | CHEM 4115L  | Organic Chem II Lab     | CHEM 4454L | Physical Chem II Lab     |
| CHEM 3015L  | Organic Chem I Lab       | CHEM 4124   | Biochemistry            | CHEM 4554  | Adv Organic Spectroscopy |
| CHEM 3111   | Organic Chem I Lab       | CHEM 4124L  | Biochemistry Lab        | CHEM 4673  | Advanced Metabolism      |

### COMMUNICATION AND THEATRE

|             |                         |             |                          |             |                             |
|-------------|-------------------------|-------------|--------------------------|-------------|-----------------------------|
| COMM 2001-4 | Ind Study Communication | COMM 3213   | Advanced News Editing    | COMM 4011-4 | Sem in Communication        |
| COMM 2011-4 | Sem in Communication    | COMM 3313   | Feature Writing          | COMM 4243   | Media Production            |
| COMM 2063   | Voice and Diction       | COMM 3333   | Photojournalism          | COMM 4293   | Media Law and Ethics        |
| COMM 2103   | Intro to Mass Comm      | COMM 3363   | Script Analysis          | COMM 4343   | Communication Theory        |
| COMM 2113   | Writing for Mass Media  | COMM 3763   | Stage Management         | COMM 4363   | Organizational Comm         |
| COMM 2123   | Interpersonal Communic  | COMM 3413   | Desktop Publishing       | COMM 4403   | Scene Design                |
| COMM 2213   | News Gathering/Report   | COMM 3543   | Small Group Comm         | COMM 4463   | Theatre Hist: Greek-1660    |
| COMM 2223   | Intro to Comm. Studies  | COMM 3553   | Oral Interpretation      | COMM 4483   | Play Direct & Production    |
| COMM 2363   | Acting I                | COMM 3563   | Argumentation & Debate   | COMM 4663   | Theatre Hist:1660-Present   |
| COMM 2763   | Stage Craft             | COMM 3573   | Intercultural Comm       | COMM 4813   | Prin of Public Relations    |
| COMM 3013   | Theatrical Make-Up      | COMM 3613   | Specialized Publications | COMM 4823   | Writing for Public Relation |
| COMM 3023   | Lighting Design         | COMM 3761   | Theatre Production       | COMM 4833   | Principles of Advertising   |
| COMM 3073   | Persuasion              | COMM 3963   | Costume History          | COMM 4963   | Acting II                   |
| COMM 3113   | News Editing            | COMM 4001-4 | Ind Study Communication  |             |                             |

### COMPUTER SCIENCE

|            |                          |              |                             |              |                              |
|------------|--------------------------|--------------|-----------------------------|--------------|------------------------------|
| COMSC 1033 | Computer Science I       | COMSC 3133   | Software Engineering        | COMSC 4033   | Principles of Prog Lang      |
| COMSC 1053 | Computer Science II      | COMSC 3153   | Data Comm & Network         | COMSC 4043   | Geographic Info Systems      |
| COMSC 1103 | Intro to Info Security   | COMSC 3253   | Intro to Computer Forensics | COMSC 4133   | Design Analy Comp Algorithms |
| COMSC 1433 | Visual Basic Programming | COMSC 3353   | Systems Analysis & Design   | COMSC 4143   | Server Management            |
| COMSC 2043 | Discrete Structures      | COMSC 3403   | Database Systems            | COMSC 4173   | Mobile App Respon Web Design |
| COMSC 2413 | Data Structures          | COMSC 3513   | IS Project Management       | COMSC 4453   | Adv Database Systems         |
| COMSC 2463 | Program in C# and .NET   | COMSC 3603   | Hardware/Software Concepts  | COMSC 4513   | Business Intelligence        |
| COMSC 2473 | Programming in C++       | COMSC 3853   | Computer Forensic Analysis  | COMSC 4753   | Computer Graphics            |
| COMSC 2603 | Network Security         | COMSC 3913   | Web Development             | COMSC 4913   | E-Commerce Web Development   |
| COMSC 3013 | Computer Architecture    | COMSC 3933   | Multimedia Systems          | COMSC 4921-3 | Computer Sci Internship      |
| COMSC 3043 | Systems Programming      | COMSC 4001-4 | Ind Study Comp Sci          | COMSC 4953   | CS/IS Capstone I             |
| COMSC 3053 | Operating Systems        | COMSC 4011-4 | Computer Science Sem        |              |                              |

### CRIMINAL JUSTICE

|            |                          |            |                            |            |                            |
|------------|--------------------------|------------|----------------------------|------------|----------------------------|
| CRMJS 1113 | Intro Criminal Justice   | CRMJS 3523 | Criminology                | CRMJS 4153 | U.S. Corrections           |
| CRMJS 1223 | Intro to Law Enforcement | CRMJS 3803 | Privat of Criminal Justice | CRMJS 4333 | Victimology                |
| CRMJS 2503 | Criminal Justice Admin   | CRMJS 4012 | Sem in Criminal Justice    | CRMJS 4903 | DR: Reading in Crim Just   |
| CRMJS 3163 | Socio Devnt & Crim Beh   | CRMJS 4013 | Sem in Criminal Justice    | CRMJS 4913 | Internship in Crim Justice |
| CRMJS 3243 | Comp Crim Justice System | CRMJS 4103 | Juvenile Justice           |            |                            |
| CRMJS 3353 | The Criminal Mind        | CRMJS 4143 | Crit Issues Criminal Just  |            |                            |

### ECONOMICS

|            |                         |            |                            |            |                         |
|------------|-------------------------|------------|----------------------------|------------|-------------------------|
| ECONO 2263 | Intro to Macroeconomics | ECONO 3863 | Money and Banking          | ECONO 4563 | Managerial Economics    |
| ECONO 2363 | Intro to Microeconomics | ECONO 4003 | Independent Study in Econo | ECONO 4963 | International Economics |
| ECONO 2463 | Business Statistics     | ECONO 4013 | Seminar in Economics       |            |                         |

## EDUCATION

**Completing the appropriate listed courses cannot be construed as qualifying the individual to be certified as a teacher nor to being admitted to the teacher education program.**

|            |                        |            |                          |            |                             |
|------------|------------------------|------------|--------------------------|------------|-----------------------------|
| ART 4452   | CM&M Elem School Art   | ELEM 4352  | Tchng Sci in Elem School | MUSIC 3202 | Music Methods Elem Tchrs    |
| EDPSY 3413 | Child Psychology       | ELEM 4463  | Children's Literature    | RDNG 3423  | Teaching of Reading I       |
| EDUC 2113  | Foundations of Educ    | KINES 3393 | Nutrition for Children   | RDNG 3432  | Teaching of Reading II      |
| ELEM 3453  | Lang Arts in Elem Sch  | LIBED 3423 | Media & Technology       | RDNG 4443  | Diag Prac Teaching Reading  |
| ELEM 3513  | CMM Math Elem Tchrs    | LIT 4463   | Children's Literature    | SPCED 3132 | Exceptional Children        |
| ELEM 3522  | CMM/Soc Stu/Elem Tchrs | MATH 1503  | Algebra for Elem Tchrs   | SPCED 3213 | Found Mild/Mod Disabilities |
| ELEM 4222  | Phonics & Penmanship   | MATH 2133  | Geometry for Elem Tchrs  |            |                             |

## ENGLISH

|             |                            |            |                           |            |                                      |
|-------------|----------------------------|------------|---------------------------|------------|--------------------------------------|
| ENGL 2011-4 | Sem in English             | ENGL 4773  | Editing                   | LIT 3523   | Victorian Poetry                     |
| ENGL 2703   | Creative Writing           | LIT 2001-4 | Ind Study Literature      | LIT 3533   | Brit Renaissance Drama               |
| ENGL 3013   | Writing: Explor & Prac     | LIT 2011-4 | Sem in Literature         | LIT 3543   | Literature of South                  |
| ENGL 3113   | Contemporary Fiction       | LIT 2333   | Intro to Film             | LIT 3613   | Amer Romantic Period                 |
| ENGL 3123   | Contemporary Poetry        | LIT 2543   | Myster/Detect Fiction     | LIT 4001-4 | Ind Study Literature                 |
| ENGL 3473   | Creat Writ of Fiction I    | LIT 2743   | Mythology                 | LIT 4011-4 | Seminar in Literature                |
| ENGL 3483   | Creat Writ of Poetry I     | LIT 2833   | Science Fiction           | LIT 4113   | Modern World Literature              |
| ENGL 3603   | English Grammar            | LIT 3023   | The Art of Reading        | LIT 4123   | British Lit 1795 to 1950             |
| ENGL 3653   | Writing in the Disciplines | LIT 3033   | World Mythology           | LIT 4233   | Young Adult Literature               |
| ENGL 3663   | Creative Nonfiction I      | LIT 3113   | Early World Literature    | LIT 4473   | Mod Brit and Amer Poetry             |
| ENGL 4002-4 | Ind Study in English       | LIT 3223   | Romantic Movement         | LIT 4553   | Issues in American Literature        |
| ENGL 4012-4 | Seminar in English         | LIT 3323   | Modern Voices in Amer Lit | LIT 4593   | Diversity in Amer Lit                |
| ENGL 4423   | Intro to Linguistics       | LIT 3333   | Shakespeare in Context    | LIT 4623   | 17 <sup>th</sup> Cent English Poetry |
| ENGL 4453   | Advanced Composition       | LIT 3343   | World Folk Literature     | LIT 4763   | British Lit Heritage to 1800         |
| ENGL 4473   | Creat Writ of Poetry II    | LIT 3443   | Middle English/Chaucer    | LIT 4883   | Women and Literature                 |
| ENGL 4483   | Creat Writ of Fiction II   | LIT 3453   | Age of Reason             | LIT 4993   | The Novel                            |
| ENGL 4653   | Writing for Multimedia     | LIT 3463   | 19th Cent Am Realism      |            |                                      |
| ENGL 4663   | Creative Nonfiction II     | LIT 3493   | Modern Drama              |            |                                      |
| ENGL 4675   | Teaching of HS English     | LIT 3513   | Lit of the Amer West      |            |                                      |

## HISTORY

|           |                         |             |                            |             |                                |
|-----------|-------------------------|-------------|----------------------------|-------------|--------------------------------|
| HIST 2603 | Writing History         | HIST 3503   | Early Christian Thought    | HIST 4093   | Historical Resrch/Writ         |
| HIST 3043 | Early Modern Europe     | HIST 3603   | 20th Century World History | HIST 4103   | American Indians               |
| HIST 3063 | History of Ireland      | HIST 4001   | Ind Study History          | HIST 4123   | America in the 1950's & 1960's |
| HIST 3083 | Nationalism/Ethnicity   | HIST 4011-4 | Seminar in History         | HIST 4133   | Women in American History      |
| HIST 3103 | Medieval England        | HIST 4023   | Colonl Amer, 1492-1765     | HIST 4203   | Old South                      |
| HIST 3113 | Tudor England           | HIST 4033   | Revol Amer; 1765-1808      | HIST 4213   | New South                      |
| HIST 3173 | History of Ideas        | HIST 4043   | New Nation/Age Jackson     | HIST 4313   | American West                  |
| HIST 3193 | European Union          | HIST 4053   | Civil War & Reconstr       | HIST 4353   | History of Oklahoma            |
| HIST 3203 | History of Germany      | HIST 4063   | Gilded Age/Progressive Era | HIST 4503   | American Diplomatic History    |
| HIST 3303 | History Imperial Russia | HIST 4073   | 20th Cent Amer 1915-50     | HIST 4803   | Public History Internship      |
| HIST 3403 | Modern France           | HIST 4083   | America Since 1970         | HIST 4901-4 | Dir Read In History            |

## KINESIOLOGY

|            |                               |            |                               |            |                              |
|------------|-------------------------------|------------|-------------------------------|------------|------------------------------|
| KINES 1153 | Nutrition                     | KINES 4052 | Sociology of Sports           | SPRTM 3523 | Leadership in Sport          |
| KINES 1932 | Tech Ap Gym Fit Aqua          | KINES 4063 | Legal Aspect HPER/Athl        | SPRTM 3533 | Olympism and Olympics        |
| KINES 1942 | Tech App Indiv Sports         | KINES 4122 | Org & Adm Athletics           | SPRTM 4122 | Rec & Sports Mngmt Law       |
| KINES 1952 | Tech Appl to Team Sprt        | KINES 4234 | Exercise Physiology           | SPRTM 4132 | Rec & Sports Employ Law      |
| KINES 2212 | First Aid                     | KINES 4243 | Ther/Prescrip Phy Ed          | SPRTM 4142 | Ethics in Rec & Sports Mngmt |
| KINES 2222 | Introduction to Kinesiology   | KINES 4383 | Dev/Programs/Facilities/Mngmt | SPRTM 4163 | Sports Nutrition             |
| KINES 2242 | Sports Officiating            | KINES 4533 | Consumer Health Ed            | SPRTM 4502 | Rodeo Management             |
| KINES 2502 | Care/Prev of Athl Inj         | KINES 4802 | Theo Coach Football           | SPRTM 4513 | Golf Management              |
| KINES 3133 | Teaching Health Public School | KINES 4832 | Theo Coach Basketball         | SPRTM 4523 | Sports Representation        |
| KINES 3353 | Health and Aging              | KINES 4862 | Theo Coach Baseball           | SPRTM 4533 | Sports Info Management       |
| KINES 3393 | Nutrition for Children        | SPRTM 3412 | Event Safety Sports & Rec     | SPRTM 4573 | Fitness Program Management   |
| KINES 3443 | Kinesiology & Anatomy         | SPRTM 3503 | Sports Management             |            |                              |
| KINES 3553 | Methods Materials Elem HPER   | SPRTM 3513 | Sports Finance                |            |                              |

## MATHEMATICS

|              |                            |             |                          |           |                           |
|--------------|----------------------------|-------------|--------------------------|-----------|---------------------------|
| MATH 1513    | College Algebra            |             |                          | MATH 4133 | Intro to Math Logic       |
| MATH 1613    | College Trigonometry       | MATH 3453   | Mathematical Statistics  | MATH 4153 | History of Mathematics    |
| MATH 1715    | College Algebra & Trig     | MATH 3473   | Intro to Probability     | MATH 4213 | Differential Equations I  |
| MATH 1834    | Calculus I                 | MATH 3533   | Tech/Prog Mathematics    | MATH 4223 | Differential Equations II |
| MATH 2001-4  | Ind Study in Mathematics   | MATH 3653   | Linear Algebra           | MATH 4653 | Modern Algebra            |
| MATH 2011-4  | Sem in Mathematics         | MATH 3673   | Elem Number Theory       | MATH 4753 | Intro Point Set Topology  |
| MATH 2834    | Calculus II                | MATH 3713   | College Geometry         | MATH 4853 | Advanced Calculus         |
| MATH 3113    | Foundations in Mathematics | MATH 3834   | Calculus III             | MATH 4873 | Complex Variables         |
| MATH 3413    | Statistical Methods        | MATH 4001-4 | Ind Study in Mathematics |           |                           |
| OR MATH 3433 | Statistics I               | MATH 4011-4 | Sem in Mathematics       |           |                           |

## MUSIC

|          |            |                          |
|----------|------------|--------------------------|
| Required | MUSIC 1103 | Music and Culture        |
| Required | MUSIC 1213 | Music Theory I           |
| Required | MUSIC 1221 | Aural Skills I           |
| Required | MUSIC 2981 | Principles of Conducting |

### Required Applied music, principal area: Select 4 hours from the following list.

(Must complete Level I of the applied music proficiency exam in their principal area.)

|            |                        |            |       |            |       |
|------------|------------------------|------------|-------|------------|-------|
| MUSIC 1691 | Orchestral Instruments | MUSIC 1592 | Organ | MUSIC 2391 | Piano |
| MUSIC 1692 | Orchestral Instruments | MUSIC 2491 | Organ | MUSIC 2392 | Piano |
| MUSIC 1791 | Orchestral Instruments | MUSIC 2492 | Organ | MUSIC 1091 | Voice |
| MUSIC 1792 | Orchestral Instruments | MUSIC 2591 | Organ | MUSIC 1092 | Voice |
| MUSIC 2691 | Orchestral Instruments | MUSIC 2592 | Organ | MUSIC 1192 | Voice |
| MUSIC 2692 | Orchestral Instruments | MUSIC 1291 | Piano | MUSIC 2091 | Voice |
| MUSIC 2791 | Orchestral Instruments | MUSIC 1292 | Piano | MUSIC 2092 | Voice |
| MUSIC 2792 | Orchestral Instruments | MUSIC 1391 | Piano | MUSIC 2191 | Voice |
| MUSIC 1491 | Organ                  | MUSIC 1392 | Piano | MUSIC 2192 | Voice |
| MUSIC 1492 | Organ                  | MUSIC 2291 | Piano |            |       |
| MUSIC 1591 | Organ                  | MUSIC 2292 | Piano |            |       |

### Required Secondary area: If piano is not principal area must select 2 hours of the following list

|            |                |
|------------|----------------|
| MUSIC 2811 | Class Piano I  |
| MUSIC 2821 | Class Piano II |

### Secondary area: If piano is principal area must select 2 hours of the following list

|            |                    |
|------------|--------------------|
| MUSIC 1411 | Brass Class        |
| MUSIC 1511 | Woodwind Class     |
| MUSIC 1611 | Percussion Class   |
| MUSIC 1711 | String Class       |
| MUSIC 1911 | Begin Guitar Class |
| MUSIC 2101 | Voice Class        |

### Required Music ensembles: Select 3 hours from the following list

|            |                     |            |                             |            |                      |
|------------|---------------------|------------|-----------------------------|------------|----------------------|
| MUSIC 4021 | Woodwind Ensemble   | MUSIC 4051 | Orchestra                   | MUSIC 4141 | Southwestern Singers |
| MUSIC 4031 | Brass Ensemble      | MUSIC 4071 | Jazz Ensemble               |            |                      |
| MUSIC 4041 | Percussion Ensemble | MUSIC 4081 | Marching Band or other Band |            |                      |

### Required MUSIC 4900 Recital Attendance

(Minimum of three enrollments with passing grade)

### Electives - Select 4 hours from the following list

|            |                    |            |                         |            |                      |
|------------|--------------------|------------|-------------------------|------------|----------------------|
| MUSIC 1112 | Fund of Music      | MUSIC 2101 | Voice Class             | MUSIC 3311 | Aural Skills IV      |
| MUSIC 1313 | Music Theory II    | MUSIC 2831 | Class Piano III         | MUSIC 3331 | Jazz Improvisation   |
| MUSIC 1321 | Aural Skills II    | MUSIC 2841 | Class Piano IV          | MUSIC 3353 | History of Music I   |
| MUSIC 1411 | Brass Class        | MUSIC 3101 | Instrumental Conducting | MUSIC 3403 | History of Music II  |
| MUSIC 1511 | Woodwind Class     | MUSIC 3151 | Choral Conducting       | MUSIC 3553 | History of Music III |
| MUSIC 1611 | Percussion Class   | MUSIC 3253 | Music Theory III        | MUSIC 4261 | Intro to Music Tech  |
| MUSIC 1711 | String Class       | MUSIC 3261 | Aural Skills III        |            |                      |
| MUSIC 1911 | Begin Guitar Class | MUSIC 3303 | Music Theory IV         |            |                      |

## PARKS AND RECREATION MANAGEMENT

|          |                           |          |                             |            |                          |
|----------|---------------------------|----------|-----------------------------|------------|--------------------------|
| NRM 2103 | Wildland Fire Mngmt       | NRM 4832 | Wildlife Habitat Mgmt       | PRM 3441   | High Angle Rescue        |
| NRM 2112 | Adv Firefighting Methods  | PRM 2102 | Found of Parks and Rec      | PRM 3452   | Advanced Ropes           |
| NRM 2122 | Ignition Operations       | PRM 2122 | Wilderness First Aid        | PRM 3663   | Recreation Management    |
| NRM 2132 | Fireline Leadership & ICS | PRM 2212 | Wilderness Survival         | PRM 3702   | Rec Areas and Fac Manage |
| NRM 4162 | Mountain Resource Mgmt    | PRM 3113 | Sail, Canoe, Hiking & Climb | PRM 4011-4 | Seminar in PRM           |
| NRM 4172 | Natural Resource Law      | PRM 3133 | Emergency Response          | PRM 4113   | Risk Mgmt in Rec         |
| NRM 4192 | Bird ID Wildlife Manager  | PRM 3142 | Adv Wilderness Survival     | PRM 4163   | Community Recreation     |
| NRM 4201 | Park Ranger               | PRM 3152 | SCUBA                       | PRM 4172   | Natural Resource Law     |
| NRM 4211 | Game and Fish Law         | PRM 3161 | Lifeguarding                | PRM 4201   | Park Ranger              |
| NRM 4773 | Nat Res Rec Mngmt         | PRM 3211 | Outdoor Ed/Adv Program      | PRM 4211   | Game and Fish Law        |
| NRM 4802 | Wildland Fire Ecology     | PRM 3262 | Adv SCUBA/SLAM              | PRM 4221   | Small Craft Safety       |
| NRM 4812 | Wildlife Management       | PRM 3432 | Ropes Course Facilitation   | PRM 4663   | Outdoor Recreation       |

## PHYSICS

|              |                       |           |                         |            |                        |
|--------------|-----------------------|-----------|-------------------------|------------|------------------------|
| ASTRO 4011-4 | Sem in Astronomy      | PHY 2213  | Strength of Materials   | PHY 3544L  | Digital Electronic Lab |
| GEOL 4011-4  | Seminar in Geology    | PHY 3013  | Materials Science       | PHY 3563   | Thermodynamics         |
| PHY 1044     | Basic Physics I       | PHY 3112  | Experimental Techniques | PHY 3573   | Heat Transfer          |
| PHY 1044L    | Basic Physics I Lab   | PHY 3243  | Lin Circuit Analysis    | PHY 3583   | Meth Theoretical Phys  |
| PHY 1054     | Basic Physics II      | PHY 3303  | History of Physics      | PHY 3603   | Mechanics I            |
| PHY 1054L    | Basic Physics II Lab  | PHY 3311  | Modern Phy/Engnrs Lab   | PHY 3603L  | Mechanics I Lab        |
| PHY 1064     | General Physics       | PHY 3403  | Modern Physics/Enginr   | PHY 3633   | Fluid Mechanics        |
| PHY 1072     | Intro Electronics     | PHY 3413  | Analog Electronics      | PHY 4011-4 | Seminar in Physics     |
| PHY 1072L    | Intro Electronics Lab | PHY 3413L | Analog Electronics Lab  | PHY 4644   | Elect/Magnetism I      |
| PHY 2011-4   | Seminar in Physics    | PHY 3424  | Optics                  | PHY 4644L  | Elect/Magnetism I Lab  |
| PHY 2145     | General Physics I     | PHY 3424L | Optics Lab              | PHY 4663   | Elect/Magnetism II     |
| PHY 2145L    | General Physics I Lab | PHY 3501  | Physics Seminar (Topic) | PHY 4723   | Quantum Mechanics      |
| PHY 2155     | General Physics II    | PHY 3523  | Solid-State/Nucl Phys   | PHY 4743   | Solid State Physics    |
| PHY 2155L    | Gen Physics II Lab    | PHY 3523L | Solid-State/Nucl Lab    | PHY 4763   | Nuclear Physics        |
| PHY 2203     | Rigid Body Mechanics  | PHY 3544  | Digital Electronics     |            |                        |

**POLITICAL SCIENCE**

|            |                          |            |                            |            |                              |
|------------|--------------------------|------------|----------------------------|------------|------------------------------|
| POLSC 2303 | Comparative Politics     | POLSC 3163 | Prin International Rela    | POLSC 4253 | International Law            |
| POLSC 2623 | Criminal Law & Procedure | POLSC 3323 | Legislative Exec Relations | POLSC 4303 | International Organ          |
| POLSC 2803 | The Judicial Process     | POLSC 3343 | Women & Politics           | POLSC 4403 | Public Policy Formation      |
| POLSC 3003 | Federal Constitution     | POLSC 3363 | Public Adm Theory/Prac     | POLSC 4613 | Civil Rights/Liberties       |
| POLSC 3033 | Political Parties        | POLSC 4013 | Seminar in Political Sci   | POLSC 4903 | DR: Reading in Political Sci |
| POLSC 3113 | Political Theory         | POLSC 4233 | Urban Politics & Elections | POLSC 4933 | Government Internship        |

**PSYCHOLOGY**

|              |                       |              |                        |              |                        |
|--------------|-----------------------|--------------|------------------------|--------------|------------------------|
| PSYCH 2011-4 | Seminar in Psychology | PSYCH 3243   | Cross-Cultural Psych   | PSYCH 4203   | Psychology of Women    |
| PSYCH 2423   | Social Psychology     | PSYCH 3253   | Psychological Tests    | PSYCH 4223   | Media & Mental Illness |
| PSYCH 2433   | Psychological Statist | PSYCH 3323   | Abnormal Psychology    | PSYCH 4313   | Intro Clinical Psych   |
| PSYCH 3011-4 | Seminar in Psychology | PSYCH 3333   | Behavior Management    | PSYCH 4323   | Forensic Psychology    |
| PSYCH 3201-4 | Contemp Prob in Psych | PSYCH 3363   | Psych of Personality   | PSYCH 4333   | Physiological Psych    |
| PSYCH 3213   | Developmental Psych   | PSYCH 4011-4 | Sem in Psych (Topic)   | PSYCH 4371-4 | Psychological Research |
| PSYCH 3224   | Research Methods      | PSYCH 4113   | Iss in Chem Dep Trtmt  | PSYCH 4391-4 | Adv Seminar in Psych   |
| PSYCH 3224L  | Research Methods Lab  | PSYCH 4123   | Theor & Princ of Psych | PSYCH 4533   | Language Development   |
| PSYCH 3233   | Learning and Memory   | PSYCH 4133   | Psychology of Sports   |              |                        |

**SPANISH**

|             |                       |           |                      |           |                        |
|-------------|-----------------------|-----------|----------------------|-----------|------------------------|
| SPAN 1054   | Elementary Spanish I  | SPAN 2153 | Inter Spanish II     | SPAN 3553 | Hispanic Life/Culture  |
| SPAN 1154   | Elementary Spanish II | SPAN 2353 | Spanish Conversation | SPAN 3653 | Interm Spanish Convers |
| SPAN 2001-4 | Ind Study Spanish     | SPAN 3013 | Span Law Enforcemnt  | SPAN 3753 | Readings in Spanish    |
| SPAN 2053   | Inter Spanish I       | SPAN 3023 | Span Healthcare Prof |           |                        |

**TECHNOLOGY**

|           |                          |           |                            |           |                             |
|-----------|--------------------------|-----------|----------------------------|-----------|-----------------------------|
| MFET 3183 | Statics and Strengths    | TECH 3123 | Excel for Engineers & Tech | TECH 4223 | Electronics Capstone        |
| MFET 3433 | Automation/Robotics      | TECH 3143 | Tech Presentations         | TECH 4244 | 3D CAD                      |
| MFET 4443 | Material Hand/Fac Plan   | TECH 3173 | Environmental Regulations  | TECH 4373 | Economic Decision Analysis  |
| MFET 4753 | Senior Capstone          | TECH 3413 | Manufacturing Process      | TECH 4433 | Quality Control             |
| TECH 1101 | Intro to Technology      | TECH 3463 | Manufacturing Oper I       | TECH 4454 | Computer Aided Manufac      |
| TECH 1223 | Technology & Society     | TECH 3513 | Material Test/Analysis     | TECH 4493 | Manufacturing Oper II       |
| TECH 1713 | Basic Electrical Science | TECH 3523 | Fabrication Process II     | TECH 4514 | Machine Tool Processes      |
| TECH 2213 | 2D CAD                   | TECH 3613 | Power Systems              | TECH 4853 | Programmable Logic Controls |
| TECH 2413 | Non-Metal Mat & Proc     | TECH 3823 | Industrial Electronics     | TECH 4833 | Microproc & Embed Controls  |
| TECH 2513 | Fabrication Process I    | TECH 3833 | Commun Electronics         | TECH 4843 | Industrial Controls         |
| TECH 2713 | Fundamental Electronics  | TECH 3843 | Telecommunications         | TECH 4903 | Manuf Enterprises           |
| TECH 2813 | Digital Devices          | TECH 4003 | Ind Study Technology       |           |                             |
| TECH 3113 | Industrial Safety        | TECH 4123 | Industrial Supervision     |           |                             |