

## INTERDISCIPLINARY STUDIES COLLEGE OF ARTS AND SCIENCES

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<https://www.swosu.edu/academics/degrees/interdisciplinary-studies-ba.php>

### 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  
A.S. General 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 (INTDLBA)

### GENERAL EDUCATION (Min. 40 hours)

**Courses that are required.** *Courses that are recommended.*

**Communication** ..... 9

ENGL	1113	English Composition I
ENGL	1213	English Composition II
COMM	1313	Introduction to Public Speaking <b>OR</b>
TECH	3143	Technical Presentations (if permitted by degree program)

**Quantitative Reasoning** ..... 3

*Select one course.*

MATH	1143	Mathematical Concepts
MATH	1153	Mathematical Applications
MATH	1193	Elementary Statistics
MATH	1313	Functions and Modeling
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
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**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	1013	Current Issues in Biology
BIOL	1054	Principles of Biology I w/Lab

**Physical Science** ..... 3-4

ASTRO	1904	Astronomy
CHEM	1004	General Chemistry w/Lab
GEOL	1934	Physical Geology w/Lab
PHY	1044	Basic Physics I w/Lab
PHY	1063	General Physics (or a higher numbered chemistry or physics course)
SCI	1501	Concepts of Physical Science Lab
SCI	1513	Conc of Phy Science (can be taken w/wo lab)

**Humanities and Social Science** ..... 12

*Select one course from each sub-category and one additional course from any subcategory below.*

**Humanities** ..... 3

GEOG	1103	World Cultural Geography
HIST	1033	World History
HUM	1103	Introduction to Humanities

**Fine Arts** ..... 3

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 (Music majors only)
MUSIC	1123	History of Rock-n-Roll
PHILO	1453	Introduction to Philosophy

**Social and Human Sciences** ..... 3

ASL	2163	American Sign Language I
ECONO	2263	Intro to Macroeconomics
ECONO	2363	Intro to Microeconomics

ENTRP	1123	Intro to Business
FINAN	2113	Personal Financial Planning
ITAL	1004	Elementary Italian I
KINES	1133	Wellness Conc & Exercise Applications
LATIN	1054	Elementary Latin I (or higher number)
PSYCH	1003	General Psychology
SOCIO	1003	Introduction to Sociology
SPAN	1054	Elementary Spanish I (or higher number)
TECH	1223	Technology and Society

**Computer Proficiency** ..... 0-3

COMSC 1023 Computers and Info Access, or a department-assigned course which satisfies the Computer Proficiency in the major, or the SWOSU Proficiency Exam, or HS course clearly defined to meet our goals.

**GE Elective** ..... 0-3

Students who meet the computer proficiency by exam or HS course must choose an additional GE course from any category.

### 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 1323	Intro to Public Health	ALHLT 3053	Adv. Medical Terminology	ALHLT 4081	Hlth. Sci. Senior Summit
ALHLT 1401	Allied Health Careers	ALHLT 3073	Diag., Drugs & Therapeu	ALHLT 4093	Epidemiology
ALHLT 2045	EMS I	ALHLT 3183	Cultural Comp. in Hlthcare	ALHLT 4123	Hlthcare Revenue Cycle
ALHLT 2055	EMS II	ALHLT 3193	U.S. Healthcare System	HIM 3122	Intro to Elec Hlth Records
ALHLT 2066	Advanced EMT	ALHLT 3933	Healthcare Management	HIM 3363	Hlthcare Comp. & Risk
ALHLT 2453	Medical Terminology	ALHLT 3963	Healthcare Project Mngmt	HIM 3453	Hlthcare Reimb
ALHLT 2633	Cardiac and Emerg Care	ALHLT 3972-8	Health Care Internship	HIM 4113	Hlthcare Quality Measures
ALHLT 3043	Health Statistics	ALHLT 4043	Healthcare Law & Ethics		
ALHLT 3043L	Health Statistics Lab	ALHLT 4074	Pathophysiology		

**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 4011-4	Seminar in Biology (A maximum of 4 hrs total of seminar may be counted toward major)	BIOL 4404L	Pathogenic Microbio Lab
BIOL 1054L	Princ of Biology Lab I			BIOL 4454	Plant Taxonomy
BIOL 1254	Principles of Biology II	BIOL 4021-4	Spec Topics Biomed Sci	BIOL 4454L	Plant Taxonomy Lab
BIOL 1254L	Princ of Biology II Lab	BIOL 4031-4	Spec Topics Microbiology	BIOL 4463	Virology
BIOL 3012	Biology Terminology	BIOL 4041-4	Spec Topics Environ & Organismal Biology	BIOL 4503	Microbial Physiology
BIOL 3053	Cell Biology			BIOL 4523	Environmental Microbiology
BIOL 3152	Genetics & Cell Biol Lab	BIOL 4154	Developmental Biology	BIOL 4604	Terrestrial Ecology
BIOL 3253	Genetics	BIOL 4154L	Developmental Biology Lab	BIOL 4604L	Terrestrial Ecology Lab
BIOL 3283	Ecology	BIOL 4204	Vertebrate Biology	BIOL 4622	Econ Import Plants
BIOL 3355	General Microbiology	BIOL 4204L	Vertebrate Biology Lab	BIOL 4703	Infect Disease Epidemiology
BIOL 3355L	General Microbiology Lab	BIOL 4213	Immunology	BIOL 4853	Evolution
BIOL 3304	Aquatic Ecology	BIOL 4254	Invertebrate Biology	BIOL 4864	Human Genetics
BIOL 3304L	Aquatic Ecology Lab	BIOL 4254L	Invertebrate Biology Lab	BIOL 4864L	Human Genetics Lab
BIOL 3604	Biology of Insects	BIOL 4284	Parasitology	BIOL 4914	Gen Comparative Physiology
BIOL 3604L	Biology of Insects Lab	BIOL 4284L	Parasitology Lab	BIOL 4914L	Gen Comp Physio Lab
BIOL 3704	Human Anatomy	BIOL 4314	Environmental Biology	BIOL 4935	Cell Molecular Biology
BIOL 3704L	Human Anatomy Lab	BIOL 4314L	Environmental Biology Lab	BIOL 4935L	Cell Molecular Biology Lab
BIOL 3814	Biology of Plants	BIOL 4343	Applied Microbiology	BIOL 4944	Neurosciences
BIOL 3814L	Biology of Plants Lab	BIOL 4355	Microbiology	BIOL 4944L	Neurosciences Lab
BIOL 3904	Human Physiology	BIOL 4355L	Microbiology Lab		
BIOL 3904L	Human Physiology Lab	BIOL 4404	Pathogenic Microbiology		

**BUSINESS**

**Courses with an '\*' require prerequisite course work**

ACCTG 2213	Prin of Financial Acctg	ACCTG 4613	Advanced Accounting*	ENTRP 3423	Business Comm*
ACCTG 2313	Prin of Managerl Acctg	ACCTG 4623	Accounting Theory*	ENTRP 3723	International Business*
ACCTG 3213	Accounting Info Systems*	ACCTG 4643	Global Acct, Finan Invest*	ENTRP 3823	Quantitative Meth Bus*
ACCTG 3313	Intermediate Acctg I*	ACCTG 4733	Business Plan Develop I	ENTRP 3923	Adv Comp Business App*
ACCTG 3323	Intermediate Acctg II*	ACCTG 4763	Adv Cost/Managal Acct*	ENTRP 4013	Sem in Entrepreneurship
ACCTG 3493	Analyzing Finan State*	ACCTG 4853	Comp Forensics Analysis*	ENTRP 4123	Professional Development
ACCTG 3713	Cost Accounting*	ENTRP 1123	Introduction to Business	ENTRP 4133	Employment Law*
ACCTG 4013	Seminar in Accounting*	ENTRP 1133	Intro to Ag Business	ENTRP 4233	Leadership and Gender
ACCTG 4113	Acctg Gov't NonprofiOrg*	ENTRP 3113	Intro to MIS*	ENTRP 4433	Entrep/New Venture*
ACCTG 4213	Auditing I*	ENTRP 3123	Legal Env of Business	ENTRP 4513	Business Intelligence
ACCTG 4223	Computerized Acctg*	ENTRP 3133	Business Ethics*	ENTRP 4733	Business Plan Develop I
ACCTG 4253	Intro to Comp Forensics*	ENTRP 3213	Legal Issues in Agricult*	ENTRP 4743	Business Plan Develop II*
ACCTG 4313	Income Tax Acctg I*	ENTRP 3223	Commercial Law*	FINAN 2113	Personal Financial Plan
ACCTG 4323	Income Tax Acctg II*	ENTRP 3313	Real Estate	FINAN 3213	Risk Management*
ACCTG 4513	Auditing II*	ENTRP 3413	Real Estate II*	FINAN 3313	Real Estate*

FINAN 3343	Business Finance*	MNGMT 3333	Human Resource Mngmt	MRKTG 3143	Principles of Marketing
FINAN 3353	Financial Planning*	MNGMT 3413	Real Estate II*	MRKTG 3243	Promotional Strategy*
FINAN 3413	Real Estate II*	MNGMT 3433	Dynamics of Org Mngmt*	MRKTG 3263	Retail Management*
FINAN 3493	Analyzing Finan State*	MNGMT 3533	Organizational Behavior*	MRKTG 3313	Real Estate*
FINAN 3663	Investments*	MNGMT 4013	Seminar in Management*	MRKTG 3413	Real Estate II*
FINAN 4013	Seminar in Finance*	MNGMT 4113	Gender Iss HR Mgmt Dev	MRKTG 3443	Consumer Behavior*
FINAN 4063	Finan Institutions/Mrkt*	MNGMT 4123	Managerial Ethics*	MRKTG 4013	Seminar in Marketing*
FINAN 4123	Corporate Govern & Ethics*	MNGMT 4133	Prod/Operations Mngmt*	MRKTG 4123	Services Marketing*
FINAN 4213	Bank Management*	MNGMT 4163	Managerial Leadership*	MRKTG 4133	Sports Marketing*
FINAN 4233	Small Business Finance*	MNGMT 4173	Sales Skills Mngmt in Ag*	MRKTG 4143	Marketing Management*
FINAN 4253	Financial Issues in Ag*	MNGMT 4183	Sales Skills & Mngmt*	MRKTG 4153	Marketing Mngmt in Ag*
FINAN 4263	Financial Management*	MNGMT 4213	Crisis Management*	MRKTG 4183	Sales Skills & Mngmt*
FINAN 4393	International Finance*	MNGMT 4223	Innovative Mngmt Tech*	MRKTG 4243	Marketing Research*
FINAN 4513	Portfolio Management I*	MNGMT 4233	Services Management*	MRKTG 4443	Channel of Distribution*
FINAN 4523	Portfolio Management II*	MNGMT 4243	Practical Mngmt Skills*	MRKTG 4543	Bus to Bus Mrktg*
FINAN 4733	Business Plan Develop I	MNGMT 4283	Team Management*	MRKTG 4643	International Marketing*
FINAN 4743	Business Plan Develop II*	MNGMT 4313	Event Management*	MRKTG 4733	Business Plan Develop I
FINAN 4763	Derivative Securities*	MNGMT 4323	Project Management*	MRKTG 4733	Business Plan Develop II*
MNGMT 3233	Management	MNGMT 4633	International Mngmt*		
MNGMT 3243	Promotional Strategy*	MNGMT 4733	Business Plan Develop I		
MNGMT 3313	Real Estate*	MNGMT 4743	Business Plan Develop II*		

### 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

#### Courses with an "\*" require prerequisite course work

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*
COMSC 2413	Data Structures*	COMSC 3413	Intro to Cybersecurity	COMSC 4453	Adv Database Systems*
COMSC 2463	Program in C# and .NET*	COMSC 3513	IS Project Management*	COMSC 4513	Business Intelligence*
COMSC 2473	Programming in C++*	COMSC 3603	Hardware/Software Concepts	COMSC 4603	Adv Hard/Software Concepts*
COMSC 2603	Network Security*	COMSC 3613	Cybersecurity Ethics & Law	COMSC 4753	Computer Graphics*
COMSC 3013	Computer Architecture	COMSC 3853	Computer Forensic Analysis*	COMSC 4913	E-Commerce Web Develop*
COMSC 3043	Systems Programming*	COMSC 3913	Web Development	COMSC 4921-3	Computer Sci Internship
COMSC 3053	Operating Systems*	COMSC 3933	Multimedia Systems- Des & Eval*	COMSC 4943	Design Practicum
COMSC 3123	Intro to eSports Mngmt	COMSC 4011-4	Computer Science Sem	COMSC 4953	CS/IS Capstone

### 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 – Teaching General

**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 4222	Phonics & Penmanship	MUSIC 3202	Music Methods Elem Tchrs
EDPSY 3413	Child Psychology	ELEM 4352	Tchg Sci in Elem School	RDNG 3423	Teaching of Reading I
EDPSY 3653	Educ Psychology	ELEM 4463	Children’s Literature	RDNG 3432	Teaching of Reading II
EDUC 2113	Foundations of Educ	KINES 3393	Nutrition for Children	RDNG 4443	Diag Prac Teaching Reading
ELEM 3453	Lang Arts in Elem Sch	LIBED 3423	Media & Technology	SPCED 3132	Exceptional Children
ELEM 3513	CMM Math Elem Tchrs	MATH 1503	Algebra for Elem Tchrs	SPCED 3213	Found Mild/Mod Disabilities
ELEM 3522	CMM/Soc Stu/Elem Tchrs	MATH 2133	Geometry for Elem Tchrs		

### EDUCATION – Early Childhood

**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.**

ECED 4163	Perc Dev Infants & Toddlers	ECED 4533	Guidance for the Preschool Child	RDNG 3432	Teaching of Reading II
ECED 4423	Play Methods & Materials	ECED 4612	Practicum in Early Childhood	RDNG 4443	Diag Prac Teaching Reading
ECED 4463	The Expressive Arts	KINES 3393	Nutrition for Children	PSYCH 4533	Language Development
ECED 4483	Exploring the Child’s World	RDNG 3423	Teaching of Reading I		

### EDUCATION – Elementary

**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 4222	Phonics & Penmanship	MUSIC 3202	Music Methods Elem Tchrs
ELEM 3453	Lang Arts in Elem Sch	ELEM 4352	Tchg Sci in Elem School	RDNG 3423	Teaching of Reading I
ELEM 3513	CMM Math Elem Tchrs	ELEM 4463	Children’s Literature	RDNG 3432	Teaching of Reading II
ELEM 3522	CMM/Soc Stu/Elem Tchrs	KINES 3393	Nutrition for Children	RDNG 4443	Diag Prac Teaching Reading

### EDUCATION – Special 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.**

PSYCH 4533	Language Development	SPCED 3312	Proc for Tch M/M Intel Disab	SPCED 4623	Proc for Tch M/M Learn Disab
RDNG 3423	Teaching of Reading I	SPCED 3432	Asses/Diag/Eval of Ind w/ELNs	SPCED 4821	Practicum-Mild/Mod Disab
RDNG 3432	Teaching of Reading II	SPCED 4323	Proc Tch M/M Emot/Beh Disab	SPCED 4862	Collab & Plan in Spec Educ
RDNG 4443	Diag Prac Teaching Reading	SPCED 4362	Sem in Legal & Ethical	SPCED 4872	Trans Plan & Tch Sec Level
SPCED 3213	Found Mild/Mod Disabilities	SPCED 4422	Proc for Tch Aut Spect Disab		

### EDUCATION – Teaching Resources

**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.**

ACCTG 2213	Principles of Financial Acctg	FINAN 3353	Personal Financial Planning	MATH 1433	Structural Concepts in Arith
ACCTG 2313	Principles of Managerial Acctg	GEOG 1103	World Cultural Geography	MATH 1443	Structural Concepts in Math
ECONO 2263	Intro to Macroeconomics	GEOL 1934	Physical Geology	MATH 1503	Algebra for Elem Teachers
ECONO 2363	Intro to Microeconomics	HIST 1043	US History to 1877	MATH 1513	College Algebra
ECONO 2463	Business Statistics	HIST 1053	US History since 1877	MATH 2133	Geometry for Elem Teachers
EDPSY 3413	Child Psychology	ITAL 1004	Elementary Italian	PSYCH 3213	Developmental Psychology
EDPSY 3433	Adolescent Psychology	LATIN 1054	Elementary Latin I	SCI 1501	Concepts of Phys Science Lab
EDPSY 3653	Educational Psychology	LATIN 1154	Elementary Latin II	SCI 1513	Concepts of Physical Science
EDUC 2113	Foundations of Education	LIBED 3423	Media and Technology	SECED 4813	Educational Tests and Meas
ELEM 4613	Educational Tests & Measures	MATH 1143	Math Concepts	SECED 4823	Principles of Teaching Sec
ELEM 4833	Principles of Teaching Elem	MATH 1153	Math Applications	SPCED 3132	Exceptional Children

### ENGLISH

ENGL 2011-4	Sem in English	ENGL 3653	Writing in the Disciplines	ENGL 4653	Writing for Multimedia
ENGL 2703	Creative Writing	ENGL 3663	Creative Nonfiction I	ENGL 4663	Creative Nonfiction II
ENGL 3013	Writing: Explor & Prac	ENGL 4002-4	Ind Study in English	ENGL 4675	Teaching of HS English
ENGL 3113	Contemporary Fiction	ENGL 4012-4	Seminar in English	ENGL 4773	Editing
ENGL 3123	Contemporary Poetry	ENGL 4423	Intro to Linguistics	LIT 2001-4	Ind Study Literature
ENGL 3473	Creat Writ of Fiction I	ENGL 4453	Advanced Composition	LIT 2011-4	Sem in Literature
ENGL 3483	Creat Writ of Poetry I	ENGL 4473	Creat Writ of Poetry II	LIT 2333	Intro to Film
ENGL 3603	English Grammar	ENGL 4483	Creat Writ of Fiction II	LIT 2543	Myster/Detect Fiction

LIT 2743	Mythology	LIT 3463	19th Cent Am Realism	LIT 4233	Young Adult Literature
LIT 2833	Science Fiction	LIT 3493	Modern Drama	LIT 4473	Mod Brit and Amer Poetry
LIT 3023	The Art of Reading	LIT 3513	Lit of the Amer West	LIT 4553	Issues in American Literature
LIT 3033	World Mythology	LIT 3523	Victorian Poetry	LIT 4593	Diversity in Amer Lit
LIT 3113	Early World Literature	LIT 3533	Brit Renaissance Drama	LIT 4623	17 <sup>th</sup> Cent English Poetry
LIT 3223	Romantic Movement	LIT 3543	Literature of South	LIT 4763	British Lit Heritage to 1800
LIT 3323	Modern Voices in Amer Lit	LIT 3613	Amer Romantic Period	LIT 4883	Women and Literature
LIT 3333	Shakespeare in Context	LIT 4001-4	Ind Study Literature	LIT 4993	The Novel
LIT 3343	World Folk Literature	LIT 4011-4	Seminar in Literature		
LIT 3443	Middle English/Chaucer	LIT 4113	Modern World Literature		
LIT 3453	Age of Reason	LIT 4123	British Lit 1795 to 1950		

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

### MATHEMATICS

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

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

**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 4211	Game and Fish Law
NRM 4773	Nat Res Mngmt	PRM 3211	Outdoor Ed/Adv Program	PRM 4221	Small Craft Safety
NRM 4802	Wildland Fire Ecology	PRM 3262	Adv SCUBA/SLAM	PRM 4663	Outdoor Recreation
NRM 4812	Wildlife Management	PRM 3432	Ropes Course Facilitation		

**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 Physic
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 3113	Industrial Safety	TECH 4123	Industrial Supervision
MFET 3433	Automation/Robotics	TECH 3123	Excel for Engineers & Tech	TECH 4223	Electronics Capstone
MFET 4443	Material Hand/Fac Plan	TECH 3143	Tech Presentations	TECH 4244	3D CAD
MFET 4753	Senior Capstone	TECH 3173	Environmental Regulations	TECH 4373	Economic Decision Analysis
TECH 1101	Intro to Technology	TECH 3413	Production Processes	TECH 4433	Quality Control
TECH 1223	Technology & Society	TECH 3463	Manufacturing Oper I	TECH 4454	Computer Aided Manufac
TECH 1713	Basic Electrical Science	TECH 3513	Material Test/Analysis	TECH 4493	Manufacturing Oper II
TECH 2213	2D CAD	TECH 3523	Fabrication Process II	TECH 4514	Machine Tool Processes
TECH 2413	Non-Metal Mat & Proc	TECH 3613	Power Systems	TECH 4853	Programmable Logic Controls
TECH 2513	Fabrication Process I	TECH 3823	Industrial Electronics	TECH 4833	Microproc & Embed Controls
TECH 2713	Fundamental Electronics	TECH 3883	Prin Electronics Comm	TECH 4843	Industrial Controls
TECH 2813	Digital Devices	TECH 4003	Ind Study Technology	TECH 4903	Manuf Enterprise



## ASSOCIATE IN SCIENCE DEGREE GENERAL STUDIES (GENST.AS)

### GENERAL EDUCATION (Min. 40 hours)

**Courses that are required.** *Courses that are recommended.*

<b>Communication</b> .....	<b>9</b>
ENGL 1113 English Composition I	
ENGL 1213 English Composition II	
COMM 1313 Introduction to Public Speaking OR	
TECH 3143 Technical Presentations (if permitted by degree program)	
<b>Quantitative Reasoning</b> .....	<b>3</b>
<i>Select one course.</i>	
MATH 1143 Mathematical Concepts	
MATH 1153 Mathematical Applications	
MATH 1193 Elementary Statistics	
MATH 1313 Functions and Modeling	
MATH 1513 College Algebra	
or a higher numbered math course	
<b>U. S. History</b> .....	<b>3</b>
<i>Select one course.</i>	
HIST 1043 U.S. History to 1877	
HIST 1053 U.S. History since 1877	
<b>American Government</b> .....	<b>3</b>
POLSC 1103 American Government & Politics	
<b>Science</b> .....	<b>7-8</b>
<i>Select one course from Life Science and one course from Physical Science. One Science course must be a lab science.</i>	
<b>Life Science</b> .....	<b>3-4</b>
BIOL 1004 Biological Concepts w/Lab	
BIOL 1013 Current Issues in Biology	
BIOL 1054 Principles of Biology I w/Lab	
<b>Physical Science</b> .....	<b>3-4</b>
ASTRO 1904 Astronomy	
CHEM 1004 General Chemistry w/Lab	
GEOL 1934 Physical Geology w/Lab	
SCI 1501 Concepts of Physical Science Lab	
SCI 1513 Conc of Phy Science (can be taken w/wo lab)	
PHY 1044 Basic Physics I w/Lab	
PHY 1063 General Physics (or a higher numbered chemistry or physics course)	

**Humanities and Social Science**..... **12**  
*Select one course from each sub-category and one additional course from any subcategory below.*

<b>Humanities</b> .....	<b>3</b>
HUM 1103 Introduction to Humanities	
GEOG 1103 World Cultural Geography	
HIST 1033 World History	
<b>Fine Arts</b> .....	<b>3</b>
ART 1223 Art Survey	
COMM 1263 Introduction to Theatre	
LIT 2333 Introduction to Film	
LIT 2413 Introduction to Literature	
MUSIC 1123 History of Rock-n-Roll	
MUSIC 1013 Introduction to Music I	
MUSIC 1103 Music and Culture (Music majors only)	
PHILO 1453 Introduction to Philosophy	
<b>Social and Human Sciences</b> .....	<b>3</b>
ASL 2163 American Sign Language I	
ECONO 2263 Intro to Macroeconomics	
ECONO 2363 Intro to Microeconomics	
ENTRP 1123 Intro to Business	
FINAN 2113 Personal Financial Planning	
ITAL 1004 Elementary Italian I	
KINES 1133 Wellness Conc & Exercise Applications	
LATIN 1054 Elementary Latin I (or higher number)	
PSYCH 1003 General Psychology	
SOCIO 1003 Introduction to Sociology	
SPAN 1054 Elementary Spanish I (or higher number)	
TECH 1223 Technology and Society	

**Computer Proficiency**.....**0-3**  
COMSC 1023 Computers and Info Access, or a department-assigned course which satisfies the Computer Proficiency in the major, or the SWOSU Proficiency Exam, or HS course clearly defined to meet our goals.

**GE Elective**.....**0-3**  
Students who meet the computer proficiency by exam or HS course must choose an additional GE course from any category.

**TOTAL HOURS**.....**60**

**NOTE:** Students who plan to work toward a bachelor's degree and know what their major will be should contact that department on the Weatherford campus for information regarding specific coursework that should be completed by the end of the sophomore year as elective credit, or they should contact their advisor on the Sayre campus and ask about specific electives they might take for their declared major since some of those electives may be available through interactive video courses and other distance education alternatives.