

**Academic Year 2007-2008**  
**MINORS AT WEST VIRGINIA UNIVERSITY**  
**(Updated Fall 2007)**  
**NOTE: New minors for 2007 highlighted in yellow.**

**PROCEDURES FOR DECLARING AND COMPLETING A MINOR**

The following steps should be followed to assure that completion of a formal minor is appropriately recognized and posted to the student's transcript:

1. A student interested in completing a minor (or minors) formally declares the intent to do so by completing a Declaration of Intent to Complete a Minor Field form. This form is available from the student's major advisor or College advisement/records office. The advisor sends two copies of the form to the college or school offering the minor at the address below.
2. The student works with his or her major advisor to incorporate minor requirements into schedule planning. Students are welcome to consult with advisors in the minor department if they wish to do so. Students who wish to complete a minor in Music, Women's Studies, or ROTC must work with advisors for those programs.
3. When completing the Application for Graduation and Diploma, the student indicates the minor(s) for which certification is requested.
4. The student's major advisor/major college advisement office certifies that all minor requirements have been completed, and reports both major and minor certifications to Admissions and Records on the Tentative Graduation List form. (Women's Studies and Music minors are certified by those programs).

**REQUIREMENTS**

Requirements for academic minors are set by the department offering the minor. Substitutions may not be made without written approval of the minor department. ***Courses in the minor may not be taken pass/fail.*** A student may not complete a minor in his or her major field.

## College of Business and Economics

R. Stephen Sears, Ph.D., Dean  
[www.be.wvu.edu](http://www.be.wvu.edu)

### **Business Administration**

21 hrs of required course work including ACCT 201; BUSA 310, 320, 330, 340; and ECON 201, 202. To qualify for the minor a student must have an overall GPA of 2.00 in all required courses.

**Minor Code: U039**

### **Entrepreneurship**

15 hrs of required course work including ACCT 201 or ARE 110; F&CS 470 or SPA 270; and nine semester hours among ENTR 335, 435, 491, 493C, 493E, 495 or ARE 421. To qualify for the minor a student must earn a minimum grade of C in each course counted toward the minor.

**Minor Code: U064**

## College of Creative Arts

Bernard Schultz, Ph.D., Dean and Director  
[www.ccartarts.wvu.edu](http://www.ccartarts.wvu.edu)

## Arts Administration

Arts Administration is one of the fastest growing fields in the Arts industry. The minor combines selected courses in the arts, arts administration, and business, to provide students with the basic knowledge and skills they will need for entry-level work with performing and visual arts organizations such as orchestras, theaters, museums, and dance companies.

The minor is recommended for students who wish to gain a better understanding of the business aspects of the arts. It may be completed as an individual course of study or in conjunction with one of the other recognized majors in the College of Creative Arts.

A minimum of 21 hours, drawn from both the academic and practical courses, is required for completion of the minor. These courses include at least 12 hours of upper division level courses.

Arts Core Courses*	3 hours
1 (or more) course(s) taken from the following:	
ART 101-Art Appreciation	
MUSC 170-Appreciation of Music	
THET 101-Introduction to Theatre	

\* This requirement is waived for any student completing another minor or major in the College of Creative Arts

ACCT 201-Principles of Accounting	3 hours
PR 215-Introduction to Public Relations	3 hours
BUSA 330-Survey of Marketing**	3 hours
BUSA 340-Survey of Finance**	3 hours
ART 331-Arts Administration (currently ART 493)	3 hours
ART 495-Internship (arts administration section)	3 hours
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TOTAL: 21 hours	

\*\* Because of individual program requirements, Business and Economics majors must complete BCOR 340-Business Information Systems and Technology and 350-Business Finance instead of BUSA 330 and 340.

## History of Art

The Art History Minor allows students in various disciplines within the Arts and Humanities a minor that enhances comprehension of their primary study and permits them to achieve a broader and deeper understanding of cultural history. Several Art History Architecture courses have also been approved and can be used for the Minor. The Art History Minor requires a considerable grasp of writing and research. The vocabulary and technical aspects of art historical writing and research are addressed in both the survey and in the upper-level courses.

Minor Requirements:

Art 105, The Survey of Art History I – 3 credits

Art 106, The Survey of Art History II – 3 credits

Art 254, Art Theory – 3 credits

Upper Division Art History Courses – 9 credits

Total Credits Required: 18

**Minor Code: U036**

## Music

The music minor allows students in any undergraduate major who have competency in music to receive official transcript recognition for their music studies at WVU. The music minor reflects a minimum of 18 hours of study in the areas of music history, theory, and performance.

The intention to declare a minor in music should occur no later than the semester prior to the student's junior year. Check sheets with the requirements for minors are available in the College of Creative Arts Student Records Office, with the advisor for music minors, or on the Division of Music's Web site. It is the responsibility of the student to obtain information about the minor and to complete the required courses.

Admission to this program is based on two criteria: a performance audition (vocal or instrumental), and the availability of teaching time in the particular applied studio. The entering performance level must be at least a level three.

Successful completion of the music minor is based on a minimum 2.5 grade point average in the selected music courses, and improvement in the student's performance skills as assessed by the music faculty in music juries (performance final examinations). At the time of application for graduation, the student must request certification for the minor. Successful completion of the requirements for a formal minor in music will be recorded on the student's official transcript by the student's major degree program.

**Minor Code: U037**

### Studio Art

Studio Art minor is open to any student currently enrolled in any recognized undergraduate major at WVU. The minor provides non-majors with the opportunity to explore basic art concepts and different aspects of artistic media and history, and it is ideal for students who want to integrate creative and artistic practice with other academic or research pursuits.

The Division of Art requires that students enrolled in the minor demonstrate artistic proficiency by successfully completing the lower division courses prior to enrolling in any advanced studies. A minimum of 18 hours is needed to complete the minor.

Depending upon the student's interest, two different tracks (2D or 3D) are available. The 2D track addresses concepts and techniques of creating images on a flat surface. The 3D track addresses concepts and techniques of creating works that have height, width, and depth.

Both 2D and 3D tracks require 6 hours of the following core course:

1 course to be taken from the following: ART 101-Appreciation of Art ART 105-Art Survey of Art History 1 ART 106-Survey of Art 2	3 hours
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1 course to be taken from the following: ART 111-Drawing 1 ART 112-Drawing 2 ART 103-Materials and Procedures	3 hours
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For the 2D Track, the following courses must be completed: ART 121-2D Visual Foundations	3 hours
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2 courses (6 hours) to be taken from the following: ART 213-Painting ART 214-Painting (sec. 001) ART 230-Printmaking-Intaglio and Relief ART 231-Printmaking-Lithography ART 270-Introduction to Electronic Media	6 hours
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1 course to be taken from the following: ART 232-Introduction of Photography ART 313-Painting ART 330-Printmaking	3 hours
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TOTAL HOURS FOR 2-D TRACK	18 hours
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For the 3D Track, the following courses must be completed:

ART 122-3D Visual Foundations	3 hours
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2 courses (6 hours) to be taken from the following: ART 226-Introduction to Sculpture ART 227-Sculpture ART 240-Ceramics ART 241-Ceramics	6 hours
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1 course to be taken from the following: ART 326-Sculpture ART 340-Ceramics	3 hours
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TOTAL HOURS FOR 3D TRACK	18 hours
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## Theatre

The theatre minor allows students in any undergraduate major who might have an interest in theatre to receive official transcript recognition of their theatre studies at WVU. The theatre minor reflects 18 hours of study in all areas of the theatre including acting, design and technology, creative dramatics, and theatre history and criticism. Courses should be taken as follows in each of three areas: (History and Theory: 6 cr.) THET 112 and THET 361, 362, or 363; (Performance: 3 cr.) THET 102 or 144; (Production: 3-4 cr.) THET 110, 111, 220, or 314; (Electives: 6 cr.) DANC 102, THET 143, 225, 240, 242, 244, 302, 400, 404, 461, or 462.

**Minor Code: U043**

## Dance

The dance minor is intended for any WVU undergraduate major who has an interest in the study of basic dance methods. The dance minor requires 19 structured hours of dance studies in all areas of dance performance. Courses include technique classes in modern, jazz, and ballet, and fundamental classes in production, choreography, and dance history. *West Virginia University Undergraduate Catalog*

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Courses should be taken in the following order: DANC 102, or 121, 160, THET 314, DANC 131 or 132, 142 or 241, DANC 371, THET 242 or DANC 293/493.

A student must declare his or her intention to complete a minor in theatre and/or dance at the College of Creative Arts Records Office or at the Division of Theatre and Dance offices. It is the responsibility of the student to obtain information about the minor and to complete all of the required courses.

Minors are welcome to audition for and participate in all division productions. Students who wish to participate in the Orchestis Dance Ensemble must be officially registered with the division as a dance minor.

At the time of application for graduation, the student must indicate that he or she wishes to be certified as a minor. Successful completion of the minor will be recorded on the student's official transcript by the student's major degree program.

**Minor Code: U042**

# College of Engineering and Mineral Resources

Eugene V. Cilento, Ph.D., Dean

Warren R. Myers, Ph.D., C.I.H., Associate Dean for Academic Affairs

Royce J. Watts, M.S., Associate Dean for Administration

[www.cemr.wvu.edu](http://www.cemr.wvu.edu)

## Academic Minor

The College of Engineering and Mineral Resources offers a minor in computer science to all undergraduate students. A student must consult with his or her major advisor to develop a scheduling plan for courses that satisfy the requirements for the computer science minor. The requirements for the minor in computer science can be found under the computer science program description. The completed minor will be recorded on the student's permanent transcript.

## Computer Science

Any student may take a minor in computer science by taking the following courses and making a C or better. The symbol "/" means sequence courses:

- CS 110 / 111.
- Pick one from: CS 210, 220, or 350.
- Pick two from: CS 221, 230, 310, or 330.

- At least one CS 400-level course.

**Minor Code: U002**

## College of Human Resources and Education

Anne Nardi, Ph.D., Dean

[www.hre.wvu.edu](http://www.hre.wvu.edu)

### Child Development and Family Studies

Please contact the college for details.

### Speech Pathology & Audiology

The undergraduate minor in the Department of Speech Pathology and Audiology is offered to any student enrolled at West Virginia University who wishes to gain an introductory understanding of the professions of speech-language pathology and/or audiology. The minor addresses the speech and hearing sciences, an orientation to the professions of speech-language pathology and audiology, and an overview of speech, language, and hearing disorders. Students can use the minor to enhance preparation in their major and/or to explore the professions in preparation for graduate education in speech-language pathology or audiology. Completion of the minor does not qualify the student for certification as a speech-language pathologist or audiologist, nor does it meet the requirements for working as a speech-language pathology assistant.

#### Rationale

The undergraduate minor in the Department of Speech Pathology and Audiology formally recognizes strategic work in an area of study. It is proposed in response to students who, upon completion of an introductory course on speech-language-hearing disorders for non-majors, inquire about other Speech Pathology & Audiology courses that are available to non-majors. The minor offers students the opportunity to pursue a focus area outside their major and therefore should prove appealing to both students and departments throughout the University.

#### Requirements

1. A minimum of 16 credit hours of coursework in the WVU Department of Speech Pathology & Audiology. 2. At least 9 credit hours must be in upper-division courses (300- level). 3. A minimum letter grade of C in each course, with a cumulative GPA of at least 2.5 in all coursework in the minor. 4. A cumulative college GPA of at least 2.5 for admission into the minor. 5. Students must complete all coursework on campus in the Department of Speech Pathology & Audiology (no coursework from other campuses will transfer). 6. Courses in the minor may not be taken pass/fail. 7. The one required course in the minor is SPA 278 - Introduction to Communication Disorders (3 credit hours). 8. Elective courses can be chosen from the following:

- SPA 274 - Manual Communication (3 credit hours)

- SPA 324 - Language Acquisition (3 credit hours)

- SPA 322 - Phonetics (3 credit hours)

- SPA 320 - Speech Science (4 credit hours)

- SPA 340 - Hearing Science (4 credit hours)

9. NOTE: Student minors are permitted to take SPA 199 (Orientation to Speech Pathology & Audiology), a 1-credit-hour course offered on a pass/fail basis, but it cannot be used to fulfill the 16 credit hour requirement for the minor in Speech Pathology and Audiology. **Minor Code: U063**

## Davis College of Agriculture, Forestry, and Consumer Sciences

Cameron R. Hackney, Ph.D., Dean, Director of the Agricultural and Forestry Experiment Station

Dennis K. Smith, Ph.D., Associate Dean, Academic Affairs

John C. Sencindiver, Ph.D., Assistant Dean, Academic Affairs  
William E. Vinson, Ph.D., Associate Director, Agricultural and Forestry Experiment Station  
Paul E. Lewis, Ph.D., Director, Division of Animal and Veterinary Sciences  
Barbara S. McFall, Ph.D., Division of Family and Consumer Sciences  
Joseph F. McNeel, Ph.D., Director, Division of Forestry  
Barton S. Baker, Ph.D., Director, Division of Plant and Soil Sciences  
Timothy T. Phipps, Ph.D., Interim Director, Division of Resource Management  
[www.caf.wvu.edu](http://www.caf.wvu.edu)

## Agribusiness Management

15 or 16 credit hours from the following courses:

- ARE 110 – Agribusiness Accounting (3 hrs)
- ARE 204 – Agribusiness Management (3 hrs)
- ARE 431 – Marketing Agricultural Products (3 hrs) or ARE 435 – Marketing Livestock Products (3 hrs)
- ARE 461 – Agribusiness Finance (3 hrs)
- The remaining three or four credit hours may be selected from:
  - ARE 382 – Agricultural and Natural Resources Law (3 hrs)
  - ARE 406 – Applied Quantitative Methods (3 hrs)
  - ARE 420 – Agricultural Cooperatives (3 hrs)
  - ARE 421 – Rural Enterprise Development (4 hrs)
  - ARE 440 – Futures Markets and Commodity Prices (3 hrs)

**Minor Code: U047**

## Arboriculture

The minor in arboriculture is designed to provide students educational opportunities in the area of ornamental horticulture as it relates to current urban environments. Emphasis is given to the establishment and management of herbaceous and woody plants used in commercial, recreational, and home settings. The minor requires a minimum of 24 hours in forestry and horticulture related courses with a grade of C or higher in each course. Required Courses – (minimum 18 credit hours) AGRN 410 (3), FOR 205 (3), HORT/LARC 260 (3), ENTO/PPTH 470 (4) or ENTO 404 and PPTH 401 (8), FMAN 315 (1), ENTO/PPTH 471 (1), FMAN 491 or PLSC 491(3). (Note: FMAN 491 or PLSC 491 – *Professional Field Experience* must be related to an arboriculture topic and must be approved in advance by the Director of the Division of Plant and Soil Sciences or the Director of the Division of Forestry and Natural Resources.). Elective Courses – (minimum 6 credit hours) AGRN 315 (3), FMAN 440 (3), FOR 340 (3), HORT 262 (3), HORT 441 (3). **Minor Code: U073.**

## Conservation Ecology

This minor is designed to provide students with specialized knowledge and skills that may open the door to new career opportunities, enhance lifelong learning, and promote their role as informed and active citizens. This course of study will include 17 hours with an emphasis on conservation of wild resources. The following five courses are required for this minor: WMAN 150 (3), WMAN 224 (3), WMAN 313 (4), WMAN 421 (3), GEN 371 (4). **Minor Code: U071.**

## Environmental Economics

15 credit hours and a GPA of at least 2.0 in courses counted toward the minor. Students must select 15 credit hours of courses with an environment component: one course on environmental problems or issues (3 cr hr); three courses in environmental and resource economics (9 cr hr); and one course on law, policy or analysis (3 cr hr). Eligible courses include: environmental problems or issues (ARE 187, ENVP 155, or FOR 140); environmental and resource economics (ARE 220, 401, and 410); and law, policy or analysis (ARE 382, ARE 450, or RESM 493). **Minor Code: U053**

## Environmental Microbiology

The minor in Environmental Microbiology is designed to introduce students to the beneficial and harmful roles of microorganisms in a variety of diverse environments including plants, animals, soil, food, air, and water. Emphasis is given to the importance of microorganisms in such applied areas as public health, plant disease, pollution and pollution abatement, biological control of pests, biodeterioration, and ecology. Total number of hours: 15 hours with a minimum letter grade of C in each course and a cumulative GPA of at least 2.5. Required Courses: (8-hours) ENVM 341, General Microbiology 4 hr, PPTH 401 General Plant Pathology 4 hr. Minimum of 7 hours selected from the following: ENVM 401, Environmental Microbiology 4 hr, ENVM 420, Soil Microbiology 3 hr., ENVN 493, Special

Topics in Environmental Microbiology\*1-4 hr., PPTH 470, Forest Pest Management 3 hr., PPTH 493, Special Topics in Plant Pathology\* 1-4 hr., PPTH 503 Mycology 4-hr., PPTH 509 Nematology 3-hr. \*Maximum of 4 hours of Special Topics courses (ENVM 493 or PPTH 493) can be applied toward 15 hour total and requires approval of the Division Director. **Minor Code: U048**

### **Environmental Protection**

This minor is designed to provide students the opportunity to study the science and techniques which are applied to safe-guard the quality of the environment with emphasis on water, soil and crop protection. This minor would benefit students from agronomy, horticulture, and other disciplines with significant backgrounds in chemistry and biological science, who intend to work in an area where their major is applied to environmental protection. The student is required to complete a minimum of 15 hours of environmental protection courses with grades of C or better in each course. Required courses: ENVP 155 and ENVP 460; minimum of 9 hours electives from the following courses: ENVP 355, ENVM/ENVP 401, ENTO/ENVP 412, AGRN/ENVP 425, 451, 455. **Minor Code: U061**

### **Equine Management**

This minor is designed for students who wish to advance their knowledge of equine management practices or wish to find employment within the equine industry. Students will gain knowledge of equine management related to reproduction, nutrition, health, training methods, design of facilities, and economy of the industry. Completion of a minor in Equine Management will require 16 credit hours of course work. Required courses include ANNU 260, A&VS 281, A&VS 344, ARE 421, and RESM 330. **Minor Code: U069.**

### **Family and Consumer Science**

The minor requires courses in child development and family studies, human nutrition and foods, interior design, and/or textiles, apparel and merchandising. Total credit hours: 15. Required courses: Select a minimum of two of the following courses: CDFS 110, CDFS 212, HN&F 171, HN&F 271, ID 110, TA&M 120, and TA&M 140. Select a minimum of three of the following courses: F&CS 381, F&CS 460, CDFS 412, CDFS 493, HN&F 348, F&CS 382, and F&CS 385. A minimum grade of "C": must be earned in all courses counted toward the minor. **Minor Code: U067**

### **Food Science and Technology**

The minor in Food Science and Technology is for students interested in pursuing careers in food industry. The students will gain knowledge of food processing, engineering, chemistry, microbiology and marketing. The minor will broaden career opportunities to food safety and quality assurance, food science/technology, food engineering, sensory evaluation, new food marketing research, food development, technical sales and marketing, and state or federal food inspectors. Required courses (9 hours): FDST 200, FDST 308, and ARE 431. Three elective courses (9 credits) from the following courses, one of which must be in Food Science and Technology (FDST): FDST 434, FDST 365, FDST 445/ENVM 545, FDST 491, ENVM 341, ARE 204, ARE 406, HN&F 171, HN&F 348, HN&F 350, HN&F 353. **Minor Code: U057**

### **Horticulture**

The minor in Horticulture is designed to provide students educational opportunities in the area of ornamental horticulture as it relates to current urban environments. Emphasis is given to learning about the establishment and management of herbaceous and woody plants used in commercial and home settings. The program would complement the curricula of students interested in careers in various aspects of management and care of turf, parks, and recreational areas, and in landscaping planning. This minor requires the completion of a minimum of 16 hours of horticulture-related courses with a grade of C or higher in each course. Required courses (7 hours): PLSC 206 and HORT 220. Minimum of 9 hours selected from the following courses: HORT 420, 441, 444, 445. **Minor Code: U062**

### **Pest Management**

This minor is designed to introduce students to insects, plant pathogens, and weeds as pests that attack or compete with agricultural crops, ornamentals, and forest trees. Emphasis will be placed on environmentally sound management systems based on cultural, biological, and chemical strategies. The proposed program would complement current degrees and strengthen the background of students in horticulture, corps agronomy, environmental protection and other majors in biological sciences. Requires completion of minimum of 15 hours of pest management-related courses with grades of C or better in each course. Required courses (8 hours): ENTO/ENVP 412 and PPTH 401. Minimum of 7 hours selected from the following courses with no more than 4 hours being Special Topics: AGRN/ENVP 451, ENTO 410, ENTO/PPTH 470, ENTO 493 – Special Topics, and PPTH 493 – Special Topics. **Minor Code: U059**

### **Rural Community Development**

This minor covers the concepts and principles pertaining to rural community development and requires courses focusing on the economy, communication and leadership, and community design principles. Total credit hours 18. Required courses: ARE 204, ARE 411, AGEE 220, AGEE 421, and two of LARC 465, LARC 466, and LARC 570. **Minor Code: U066**

### **Soil Science**

This minor is designed to introduce students to the relationships of soils to environmental protection and agricultural production. It serves as a means to broaden and strengthen the backgrounds of students majoring in non-soils curricula within the Davis College as well as students majoring in biological, earth science, and environmental curricula in other WVU colleges. Minimum of 15 hours of soil science courses with grades of C or better in each course. Required Courses (7 hours): AGRN 202, 203, and AGRN/ENVP 425. Minimum of 8 hours selected from the following courses: AGRN 125, 410, 415, 417, AGRN/ENVM/ENVP 420, AGRN 430, AGRN/ENVP 455. **Minor Code: U060**

### **Wildlife and Fisheries Resources**

In order to earn a formal minor, students must complete the following courses: WMAN 150, WMAN 313, WMAN 234, WMAN 224, WMAN 431, WMAN 445. **Minor Code: U044**

### **Wood Science and Technology**

18 credit hours, including WDSC 223, 340 and 341 (9 hours); and a minimum of nine hours selected from 413, 422, 423, 330, 337, 351, 362, 465. **Minor Code: U045**

## **Eberly College of Arts and Sciences**

Mary Ellen Mazey, Ph.D., Dean

Joan S. Gorham, Ed.D., Associate Dean, Academic Affairs

Fred L. King, Ph.D., Associate Dean, Research and Graduate Studies

Katherine Karraker, Ph.D., Assistant Dean, Student Affairs

Asuntina S. Levelle, J.D., Assistant Dean, Financial Planning and Management

Thomas J. Moran, M.S., Program Coordinator, Information Technology

[www.as.wvu.edu](http://www.as.wvu.edu)

### **Academic Minors**

Most departments in the Eberly College of Arts and Sciences offer formal academic minors. In addition, minors are available in Africana studies, Italian studies, and Native American studies. If a student successfully completes the requirements for a formal minor, this will be recorded on the student's official record and will appear on transcripts. Requirements for academic minors are set by the department offering the minor. A formal minor must include at least 15 hours of coursework with a minimum of nine hours at the upper-division level (course number of 300 or above). Specific courses may be required as well as a minimum grade or grade point average for courses in the minor. Courses in the minor may not be taken pass/fail. The minor field may not be the same as the student's major field.

A student should declare his or her intention to complete a minor when formally requesting admission to a major program. It is the student's responsibility to obtain information about the minor and to complete the required courses. At the time of application for graduation, the student must indicate that he or she wishes to be certified for the minor.

### **Africana Studies**

The Africana Studies Program is an academic unit within the Eberly College of Arts and Sciences. It offers a multidisciplinary minor, which seeks to analyze the African world experience from the point of view of African peoples and those of African descent. The broad educational purpose of the program is to engender among all students an intellectual appreciation and understanding of the history and cultures of people of African descent throughout the world.

## Requirements

The Africana studies minor requires: 15 credit hours, including ASP 220 and ASP 420 (six hrs.), and nine additional hours in two subject areas, six of them upper division (300 and above), selected from ENGL 139, 154, 254; FLIT 215, 266, 271; GEOG 243, GEOG 293, HIST 427, 428, 429, 430, 433, 434, 451, 452; MUSIC 175, 477, 492B; POLS 335; SOCA 235 or any ASP offerings (e.g. ASP 293, 493). Grades of C or higher must be earned in all courses applied for the minor. Students are encouraged to work with an area ASP advisor to complete an individualized curriculum plan. Further information about the program may be obtained from the department of history, 220 Woodburn Hall, P.O. Box 6303, Morgantown, WV 26506-6303 or visit us on the Web at <http://www.wvu.edu/~asp/>

**Minor Code: U055**

## Biology

20 or 21 credit hours, including: (a) BIOL 115, BIOL 117, and either BIOL 219 or BIOL 221; and (b) 9 upper division credit hours selected from:

BIOL 219 prerequisite: BIOL 310, 311, 312, 313, 316, 324, 348, 410, 413, 414, 439

BIOL 221 prerequisite: BIOL 321, 338, 350, 361, 363, 412, 438, 440, 461, 462, 463, 464

No 200-level prerequisite: BIOL 301, 341, 351, 352, 353, 362, 450

Grades of C or higher must be earned in all courses applied to the minor.

**Minor Code: U075**

## Communication Studies

Students may elect to complete a 15-credit-hour minor in the field of communication studies. This minor is designed to provide a broad overview of the field. Requirements are: (a) COMM 100 + 102, or 100 + 104, or 112, or 122 or 303 (three hours); (b) COMM 105 and 306 and 308 (nine hours); (c) COMM 305 or 309 or 316 (three hours). A GPA of 2.0 in courses counted toward the minor is required. **Minor Code: U001**

## Computer Science

Any student may take a minor in computer science by taking the following courses and making a C or better. The symbol “/” means sequence courses:

- CS 110 / 111.
- Pick one from: CS 210, CS 220, CS 230.
- CS 310 and 350.
- At least one CS 400-level course.

**Minor Code: U002**

## Economics

To earn a minor in economics, a student must complete the following courses with a grade point average of 2.0 or better: ECON 201, 202, 301, 302, and two upper-division economics electives. **Minor Code: U003**

## English

Any student admitted to a degree program within the University may take a minor in English. Such a minor consists of any 15 hours beyond ENGL 101 and 102 or 103 with a minimum of nine hours at the upper-divisional level. Students are advised to design their own English minor to complement the work in their major. Only courses in which the student earns a grade of C or better can be applied to the English minor. **Minor Code: U004**

## Creative Writing

Any student admitted to a degree program other than English may take a minor in creative writing. Such a minor consists of 15 credit hours taken in the following sequence:

- One course, with a grade of C or better, from among ENGL 212, 213, or 214.
- With permission of the instructor, one course from among ENGL 312, 313, or 314.
- With permission of the instructor, ENGL 318.
- With permission of the Department of English Creative Writing Committee, ENGL 418.

One additional course from among those listed in category 1 (which may be taken at any time) or category 2 (which must be taken after the completion of one of the courses in category 1). **Minor Code: U005**

## Professional Writing and Editing

Any student admitted to a degree program other than English may take a minor in professional writing and editing. Such a minor consists of 15 credit hours as follows: ENGL 301 or 303 (three hours); ENGL 302, 304, 305, and 491A (12 hours). To earn this minor, students must earn a grade point average of 3.0 or higher across ENGL 302, 304, 305, and 301 or 303. Students must successfully complete at least nine hours in the minor before being eligible to take ENGL 491A. **Minor Code: U051**

### Foreign Language Minors

Students may complete an academic minor in *foreign literature and translation (FLIT)*, *French, German, linguistics, Russian, Spanish, and teaching English as a second language (TESL)*.

Requirements for the minors in **French, German, Russian, and Spanish** consist of a total of 15 hours of coursework beyond the intermediate level (203–204, or the equivalent) with at least nine hours at the upper-division level. The minor must include two of the following courses in the target language: 301, 302, 303, or 304; and nine additional hours.

Students may take up to six hours in the target language at the 200-level (exclusive of courses number 200, 203, and 204). LING 311 may also be used as three of the additional nine hours. Students must achieve a GPA of at least 2.25 in the coursework for the minor and they must complete at least six of the upper-division hours on campus (exclusive of courses numbered 493 or courses obtained through credit by examination).

**French Minor Code: U007**

**German Minor Code: U008**

**Russian Minor Code: U010**

**Spanish Minor Code: U011**

The minor in **foreign literature in translation** requires a selection of 15 hours of FLIT classes, nine of which must be on the upper-division level. At least two different national literatures must be represented in the selection. **Minor Code: U006**

The minor in **linguistics** requires LING 311, 411, 412, 511, and 514. **Minor Code: U009**

The minor in **Teaching English as a second language (TESL)** requires LING 311, LANG 322, LANG 421, LING 511, and one of the following: LING 512, 514 or LANG 422. **Minor Code: U050**

**The minor in Russian Studies** includes 15 hours, including: (1) 12 hours of upper-division Russian courses (selected from among the following: 301-302, 303-304, 331-332, 341-342, 451); and (2) 3 hours of FLIT in the relevant area of study (FLIT 272, 273, 274, 275). Students must achieve a GPA of at least 2.25 in the coursework for the minor and they must complete at least six of the upper-division hours on campus (exclusive of courses numbered 493 or courses obtained through credit by examination). **Minor Code: U072**

### Geology

Anyone interested in a geology minor is urged to contact the department.

Requirements for the minor: sixteen hours of geology courses including GEOL 101 and 102, or GEOL 110 and 111 are required. Nine hours must be upper division. Students must achieve a grade point average of at least 2.0 in all geology courses. Courses graded P/F may not be applied toward the geology minor. **Minor Code: U017**

### Geography

Any student admitted to a degree program at WVU may complete a minor in geography. The minor consists of 15 hours of coursework with a minimum of nine hours at upper division level (course number 300 or above). The geography minor is available in five areas: geographic information science (GIS), planning and development, natural resources and environment, international area studies, and an individualized program. Students must achieve a GPA of at least 2.0 in the 15 hours taken for the geography minor. Requirements include GEOG 102 or 108, 107, and nine additional hours in courses related to the student's specific area. **Minor Code: U012**

### History

Any student may take a minor in history. A minor consists of any 15 hours of courses in history. Six hours should be chosen from the following introductory courses: HIST 101, 102, 104, 105, 106, 108, 152, 153, 179, 180, 271, and 272. A minimum of nine hours should be selected from other history courses at the 300– or 400–level. Students are advised to design their own history minor to complement studies in their major. Only course grades

of C or better can be applied to this minor. **Minor Code: U018**

### **International Studies**

Any student admitted to a major program other than international studies may complete a minor in international studies. Toward this minor, students must satisfy the following requirements:

Completion of one upper-division course (three hours) outside the discipline of the major, selected from the advanced core cluster of courses in international studies: ECON 451, 454; GEOG 302, 310; HIST 463, 464; POLS 250, 260, 364, 368.

Completion of four upper-division courses (12 hours) outside the discipline of the major, in one of the following areas in international studies. In each area of emphasis, courses must be taken in at least three departments. This requirement is intended to broaden students' awareness of their areas of emphasis in the minor, beyond the perspectives of single academic disciplines. For the purposes of international studies, all FLIT and foreign language courses are treated in one department.

***Africa and the Middle East*** ECON 455; GEOG 243, 411; HIST 427, 428, 429, 430, 433, 434; MUSC 477; POLS 356, 368; RELG 232; SOCA 256; WMST 245.

**Minor Code: U019**

***The Americas*** ECON 455; FLIT 251, 252, 266, 271; GEOG 240, 411, 466; HIST 241, 242, 409, 410; POLS 355, 367; SOCA 255; SPAN 330, 332, 431, 461, 462, 494; WMST 245.

**Minor Code: U020**

***East Asia*** ECON 455; FLIT 221, 222; GEOG 411; HIST 425, 426; PHIL 350; POLS 350, 354, 369; RELG 230, 231; WMST 245.

**Minor Code: U021**

***Europe*** FLIT 211, 212, 231, 232, 241, 242, 243, 261, 262, 263, 273, 274, 433, 434, 435; FRCH 331, 332, 432, 461, 462, 534, 535, 635, 636; GEOG 241, 411; GER 331, 332, 341, 361, 362, 433, 434, 435, 441, 545, 547; HIST 205, 207, 209, 217, 218, 221, 232, 405, 406, 407, 408, 410, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 431, 432, 446; POLS 351, 353, 366; RUSS 341, 342, 451; SPAN 340, 342, 441, 461, 462; WMST 245.

**Minor Code: U022**

***International Development*** ECON 455; GEOG 243, 309, 411, 412, 466; HIST 242, 409, 411, 425, 428, 430, 433, 434; POLS 354, 355, 356, 358; SOCA 255, 256; WMST 245.

To complete the minor successfully, students must achieve a grade point average of 2.0 in approved international studies courses. Courses graded P/F may not be applied to the international studies minor. **Minor Code: U023**

### **Italian Studies**

Students must take 15 credit hours of courses, including ITAL 303 and 304 (ITAL 204, or four semesters of Italian language, is a prerequisite for these two courses). Additional courses may be chosen from the following: 15 credit hours beyond ITAL 204 (prerequisite for the minor). The 15 hours must include ITAL 303 and 304, and three other courses chosen from the following: ART 105, 106, 245, 246, 248, 249; CLAS 231, 232; FLIT 214; HIST 201, 204, 205, 330, 331, 400, 480, 481; ITAL 293, 493, 496; occasional special topics courses in various fields (upon approval of coordinator). Of the 15 hours, at least nine must be upper-division (300-400) level. No more than two of the following may be counted toward the minor: ART 105, 246; HIST 201, 205, 480, 481. Students must complete at least six of the upper-division hours on campus. **Minor Code: U054**

### **Leadership Studies**

The leadership minor is designed to complement a traditional academic major by exposing students to leadership history and theory as well as giving them practical experience through experiential learning. The leadership minor is an 18 hour program, composed of three core courses and three upper division electives from two different fields. To earn a minor in Leadership Studies, students must take the three Leadership core courses in sequence: **LDR 201, Principles of Leadership**. Introduction to leadership theory and practice. The course examines aspects of literature on leadership; provides practice for developing leadership skills; and offers personal experiences for self-reflection. **LDR 301, Problems in Leadership**. Building on coursework in LDR 201, students will survey a series of case studies, both historical and imagined, in which leadership either succeeds or fails. **LDR 401, Leadership in Action**. The Leadership Studies Capstone course serves to demonstrate that students have learned how strong, innovative leadership leads to organizational change. Students are connected with a Leader Mentors for a one-on-one mentoring experience that also provides an opportunity to serve the community. In addition, students minoring in Leadership Studies must take at least nine upper-division hours from two fields outside of their major. To receive credit for the minor, students must earn at least an overall 3.0 GPA in the core LDR courses and at least an overall 2.5 GPA in the electives. Although not required, UNIV 101 L, an orientation section with a leadership emphasis, and LDR 392, Readings in Leadership, are recommended. **Minor Code: U065**

## Mathematics

Students may choose from two minor tracks. A grade of "C" or higher in each course counted toward the minor, or a GPA of 2.25 across courses counted toward the minor, is required.

Track 1: MATH 155, 156, 251, 283; at least one course chosen from MATH 341, 343, 381, 451; and two additional courses chosen from STAT 461, or any Math course numbered 300 or above, with the exception of MATH 331, 332, or 493.

Track 2: MATH 155, 156, 251, 261; at least one course chosen from MATH 375, 420, 456, 465; and two additional courses chosen from STAT 461, or any Math course numbered 300 or above, with the exception of MATH 331, 332, or 493.

Completion of either track will be posted as a minor in Mathematics. **Minor Code: U024**

## Native American Studies

Students must complete a total of 18 hours (nine lower-division and nine upper division).

The following three lower-division courses, which ALL satisfy WVU GEC requirements, are required for the NAS minor: Native American Studies 200 *Intro to Native American Studies*; English 156 *Literature of Native America*; History 264 *American Indian History*. Students have many courses to choose from to fulfill the nine hours of upper-division credit. A sampling of these courses includes: COMM 316, ENGL 356, HIST 441, POLS 355, SOCA 358, SOCA 359, SOCA 405, NAS 493, NAS 495 (nine hours).

Students may not count more than three hours of NAS 495 toward the minor. Students must earn a C or better in each course counted toward the minor. Of the upper-division courses listed, English 356, NAS 493, NAS 495 are wholly focused on Native Americans; the other courses have a partial focus on Native Americans. NAS 493 subjects such topics as: Eastern Woodland Indians, Lakota studies, contemporary native American issues, research with indigenous peoples, and so on.

Students should consult with the NAS coordinator to learn about other courses of interest and opportunities for additional academic exploration of Native American topics. **Minor Code: U038**

## Philosophy

Any student admitted to an undergraduate degree program at WVU may complete a minor in philosophy. The minor is designed to acquaint students with a broad range of philosophical topics and skills, and to introduce them to the fundamental issues in philosophy.

The minor consists of 15 hours in philosophy, with at least nine hours at the upper level (300 level or above). **Minor Code: U025**

## Physics

The minor is designed to introduce students to the basics of contemporary physics and to acquaint them with the rich diversity of current physics. Students who wish to pursue physics as a second field can receive a minor in physics by successful completion (2.0 average or higher in the physics courses) of PHYS 111, 112, and 314 as well as six credit hours from any course on courses numbered 300 or above. **Minor Code: U026**

## Political Science

Any student admitted to a major program other than political science may complete a formal academic minor in political science. In order to earn a formal minor, students must complete one of the following options.

**General Political Science** Required courses: six hours from POLS 102, 210, 220, 230 or 240, 250, 260. Any three additional courses from POLS 310–379. POLS 493 and 494 may be counted toward the minor with departmental approval. **Minor Code: U049**

**American Politics and Policy** Required courses: six hours from POLS 102, 210, 220, 230 or 240. Any three additional courses from 310–349. POLS 493 and 494 may be counted toward the minor with departmental approval. **Minor Code: U027**

**International and Comparative Politics** Required courses: POLS 250, 260. Any three additional courses from 350–369. POLS 493 and 494 may be counted toward the minor with departmental approval. **Minor Code: U028**

**Law and Legal Studies** Required courses: POLS 102, 210. Any three additional courses from 312, 313, 314, 331, 335, 363. POLS 493 and 494 may be counted toward the minor with departmental approval. **Minor Code: U029**

**Political Theory** Required courses: POLS 270, 271. Any three additional courses from 370–379. POLS 493 and 494 may be counted toward the minor with departmental approval.

Students must achieve at least a 2.0 in the 15 hours taken in political science. Courses graded P/F may not be applied toward the minor.

## Minor Code: U030

### Psychology

18-19 credit hours. Required core courses include: PSYC 101; PSYC 202; **one** of PSYC 241, 251 or 281; and **one of either** PSYC 301 or 302 (12-13 hours). Minors also complete two elective courses (6-7 hrs) from the following: PSYC 301 or 302 (in addition to previous requirement), 331, 342, 343, 345, 351, 363, 365, 382, 474, or 493. STAT 211 is pre-requisite to PSYC 202. Students are encouraged to design their minor using courses from the above list that complement work in their major. A minimum grade of C or better is required in each core course. A GPA of 2.0 across courses counted toward the minor is also required. **Minor Code: U074**

### Religious Studies

Fifteen hours in religious studies courses are required for the minor; nine must be at the 300 or 400 level. A grade of at least "C" must be earned in all courses counted toward the minor. **Minor Code: U031**

### Slavic and East European Studies

18 hours, including: (1) SEES 101 (3 hours); (2) 6 hours of one SEES-related language (Russian, Polish, Czech, Slovak, Bosnian-Croatian-Serbian, Bulgarian, Hungarian, Lithuanian, Latvian, Estonian, Belarusian, Ukrainian, Romanian); and (3) 9 hours of upper division coursework selected from the following: ECON 453, 454; FLIT 371; HIST 417, 418, and **either** HIST 419 or 420; POLS 351 or 366. A maximum of 3 hours of upper-division RUSS courses, in addition to the language hours under (2), may be counted toward the minor. Only courses in which the student earns a grade of "C" or higher may be applied to the SEES minor. **Minor Code: U077**

### Sociology and Anthropology

Students from outside the division may acquire a minor in the Division of Sociology and Anthropology by fulfilling the requirements of one of the minors listed below. (If more than one minor is desired, any given course will count toward fulfilling the requirements of only one minor.)

For all minors, a GPA of 2.0 is required in 15 hours of coursework in one of the options specified below.

**Anthropology** Students must take SOCA 105 and 12 additional hours. Students must take SOCA 105 and 12 additional hours, nine of which must be 300 level or higher in regular anthropology courses. (Anthropology courses are numbered in the 50s, e. g., SOCA 255 or 256.) **Minor Code: U032**

#### Sociology

18 credit hours, including SOCA (3 hours) and 15 additional hours, 9 of which must be 300-level or higher, in sociology (not anthropology) courses. Anthropology courses are SOCA courses numbered in the 50s (i.e., SOCA 350-359, 450-459) and may not be counted toward a Sociology minor. Six hours from the following Criminology courses may be used to fulfill requirements for a minor in Sociology: SOCA 207, 232, 233, and 330. The following courses may not be used to fulfill requirements for a Sociology minor: SOCA 311, 401, 461, 488, 490, 491. A GPA of at least 2.0 in courses counted toward the minor is required. **Minor Code: U033**

### Statistics

Students may choose from two minor tracks. A grade of C or higher in each course counted toward the minor is required. MATH 156 is a prerequisite for STAT 215. MATH 251 is a prerequisite for STAT 461.

Mathematical Statistics Track: STAT 215 and 461, and nine hours from STAT 217, 312, 313, 316, 331, 421, 445, 462.

Applied Statistics Track: STAT 211 or 215, and 12 hours from STAT 217, 312, 313, 316, 331, 421, 445, 461, 462.

Completion of either track will be posted as a minor in statistics. **Minor Code: U034**

### Women's Studies

Any student admitted to an undergraduate degree program at WVU may earn a minor in women's studies. Students are advised to design an individualized minor and may choose to focus on an area of concentration such as feminist thought or women's health and sexuality. A grade point average of 2.75 in 18 hours of coursework is required for the minor. Students must take WMST 170, 494, and 12 additional hours in women's studies courses or approved departmental primary courses with at least nine hours in upper-division courses. The 12 additional hours may include no more than six hours with any one prefix (WMST courses excepted), no more than one course in the student's major, and no more than three hours of independent study or field experience. Students are required to

register with the Center for Women's Studies to enroll in the minor. Application forms and more information about the women's studies curriculum may be obtained from the Director, WVU Center for Women's Studies, 218 Eiesland Hall, P.O. Box 6450, Morgantown, WV 26506-6450. Telephone (304) 293-2339, ext. 1155. E-mail: Barbara.Howe@mail.wvu.edu. Online at: [www.wvu.edu/~wmst](http://www.wvu.edu/~wmst). **Minor Code: U035**

# Perley Isaac Reed School of Journalism

Maryanne Reed, M.S.J., Dean  
journalism.wvu.edu

## Academic Minors and Second Concentration Fields

Students must complete either an officially sanctioned minor or an area of concentration outside at the School of Journalism. An area of concentration consists of 15 hours of coursework in a single discipline with at least nine of the hours at the 300-level or higher. Students may not take an area of concentration in a field where there is an existing minor. Students must consult with their advisor before starting an area of concentration and are strongly encouraged to take an official minor.

## Advertising

The advertising minor requires the following five courses:

- JRL 101 Introduction to Mass Communication, 3 hours  
Can be taken on campus or online. This course is generally taught every term.
- Choose one of the following:
  - ADV 201 Advertising and Society, 3 hours  
This class is currently taught fall semesters in the classroom.
  - ADV 215 Principles of Advertising, 3 hours  
Can be taken on campus or online. This course is generally taught every term.
- ADV 315 Advertising Copywriting  
Prerequisites: JRL 101, ADV 215  
ADV 315 must be taken online during summer session. This course is generally taught during the first six weeks.
- ADV 403 Media Analysis, 3 hours  
Prerequisites: JRL 101, ADV 215  
ADV 403 must be taken online during summer session. This course is generally taught during the first six weeks.
- ADV 459 Campaigns, 3 hours  
Prerequisites: ADV 315, 403  
ADV 459 must be taken online during summer session. This course is generally taught during the second six weeks.

To earn a minor in Advertising a student must earn a grade of C or better in each of the five courses. The Advertising minor is not available to any student enrolled in the P.I. Reed School of Journalism. Students minoring in advertising cannot change over to an advertising major. Students who double-minor in Advertising and Public Relations may choose an additional course from the School's online and 200-level open enrollment courses in place of JRL 101 (which they will have already taken for the PR minor.) Students can complete the minor with the two lower division courses during the school year and the online courses in one summer. Students completing the entire minor online can expect to complete it in two summers. All courses are taught completely online. Students need to plan on logging on daily during the week, but can do so at the time of their own choosing. Students should budget the same amount of time for an online class as they do for classroom classes.

To get permission to register for online journalism classes, contact Dr. Ralph E. Hanson at [sojexlearning@mail.wvu.edu](mailto:sojexlearning@mail.wvu.edu) **Minor Code: U058**

## Public Relations

Students in colleges and units outside of the P.I. Reed School of Journalism may earn a minor in Public Relations online during summer sessions by completing the following courses and meeting the requirements as stated below. Prerequisites and Schedule Hours:

- JRL 101 Introduction to Mass Communication, 3 hours  
Can be taken on campus or online. Generally offered every term.
- PR 215 Introduction to Public Relations, 3 hours  
Can be taken on campus or online. Generally offered every term.
- PR 301 Writing for Public Relations, 3 hours  
Prerequisites: JRL 101, PR 215  
PR 301 must be taken online during summer session. It is generally offered during the first six weeks of summer school.
- PR 401 Applied Public Relations, 3 hours  
Prerequisites: PR 301  
PR 401 must be taken online during summer session. It is generally offered during the second six weeks of summer school.
- PR 410 IMC for Public Relations, 3 hours  
Prerequisites: PR 301 (For majors ADV 315 or PR 324)  
PR 410 must be taken online during summer session. It is generally offered during the second six weeks of summer school.

To earn a minor in Public Relations a student must earn a grade of C or better in each of the five courses. The PR minor is not available to any student enrolled in the P.I. Reed School of Journalism. Students minoring in public relations cannot become public relations majors. Students who double-minor in Advertising and Public Relations may choose an additional course from the School's online and 200-level open enrollment courses in place of JRL 101 (which they will have already taken for the Advertising minor.) Students can complete the minor with the two lower division courses during the school year and the online courses in one summer. Students completing the entire minor online can expect to complete it in two summers. All courses are taught completely online. Students need to plan on logging on daily during the week, but can do so at the time of their own choosing. Students should budget the same amount of time for an online class as they do for classroom classes.

To get permission to register for online journalism classes, contact Dr. Ralph E. Hanson at [sojexlearning@mail.wvu.edu](mailto:sojexlearning@mail.wvu.edu) **Minor Code: U070**

## School of Physical Education

Dana Brooks, Ph.D., Dean  
[www.pe.wvu.edu](http://www.pe.wvu.edu)

### Aquatic Facility Management

Please contact the school for details. **Minor Code: U080**

### Group Fitness

Please contact the school for details.

### Personal Training

SUMMER A (First three weeks)

ACE 460: Fitness Field Testing

ACE 462: Fitness Assessments

SUMMER B (Last three weeks)

ACE 464: Lifestyle & Weight Management

ACE 472 Methods of Personal Training

FALL / SPRING / SUMMER

ACE 476: Fitness Internship

NOTE: Students must sit for the American Council on Exercise (ACE) national certification exam. **Minor Code: U068**

### **Sport and Exercise Psychology**

Students may elect to complete a 15-credithour minor in Sport and Exercise Psychology which is designed to provide an overview of the principles, practices and theories underlying the psychology and sociology of sport and related physical activity. To earn this minor, student must complete the following courses: SS 271 and 272, plus complete 3 of the following 6 courses: SS 373, 383, 385, 420, 493, and COUN 303. All courses in the minor in Sport Behavior must be completed with a grade of C or higher. **Minor Code: U056**

## ROTC

### **Aerospace Studies (Air Force ROTC)**

USAF 251, 252, 371, 372, 481 and 482. Complete 6 additional hours in Political Science and/or history. **Minor Code: U040**

### **Military Science (Army ROTC)**

MILS 301, 302, 401, 402, and 491; HIST 210, CS 101; and one course from among ENGL 202, 201, 221, 263, or 305. A GPA of 2.0 in courses counted toward the minor. **Minor Code: U041**