

Office of Academic Affairs

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University Academic Advising Center

Undeclared (UND)

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UAAC Mission to Undeclared students

The University Academic Advising Center was established to meet the needs of those students who have competing interest in more than one major area, as well as those who are uncertain of their career and educational goals. The professional staff and volunteers at the center offer one on one advising services to traditional and nontraditional undergraduate students and provide accurate information concerning specific curriculum requirements, university policies and procedures, campus resources and various programs of study. The center is committed to assisting students with the development of educational plans consistent with their life goals, objectives and abilities. Students normally remain UND "majors" for no more than two semesters during which time advisors recommend courses that meet basic core requirements in relation to "majors of interest" for each individual student. Students who have reached Junior status can remain undeclared for one (1) semester after accumulating 75 hours of academic credit.

UAAC advisors traditionally recommend that UND students enroll in 12-18 hours each fall and spring semester with careful considerations given to courses required in each student's majors of interest. It is the goal of the center to assist each UND student in enrolling in courses that satisfy the minimum core requirements for any major the student may later choose with respect to each department's right to specify more stringent requirements than the University as a whole. However, ultimate responsibility for taking the UAAC staff's advice rests with the student.

Visits to UAAC and responses to request for information through our Web site are subject to staff availability and the center's priority responsibilities during MSU's designated preregistration and orientation periods. Otherwise, UAAC urges students to make appointments with advisors at the center to establish a plan of action. The University Academic Advising Center staff encourages all UND "majors" to utilize services offered by the Career Center, the Counseling Center, the Learning Center, Student Support Services and other support programs offered by various units at MSU.

Environment and Sustainability Minor

The Environment and Sustainability Minor is a 17 credit hour, multi-disciplinary program open to all undergraduate majors in good standing. From accountants to zoologists, and all majors in between, this minor is designed to enhance your understanding of the complex environmental challenges humanity faces in the 21st century. It will also give students an opportunity to gain hands-on experience in an environmental area of interest. Students will study the technical aspects of issues such as climate change and energy, and learn how values, beliefs and policies affect how these issues are addressed. Students will also learn about sustainable practices and lifestyle choices that can reduce your own ecological footprint.

Two courses are required of all students: Introduction to Environmental Science (ENS 2103) and Environmental Science Practicum (ENS 4102). Of the remaining 12 hours, at least three must be taken from each of the three categories: Humanities, Social Sciences, and Science & Engineering. The remaining three credit hours must be taken from a category not directly related to the student's major course of study.

Course Work

ENS 2103	Introduction to Environmental Science	3
ENS 4102	Practicum	2
Approved Humanities course		3
Approved Social Sciences course		3
Approved Science & Engineering course		3
Consult with Program Coordinator		3

Enrollment in ENS 4102 must be arranged with the Program Coordinator. The student may arrange to work with a faculty member conducting research in the environment and sustainability field, or the student may propose a project of relevance to the certificate. This must be arranged in consultation with the Program Coordinator prior to enrolling in ENS 4102.

For further information and enrollment forms, please contact the ENS minor program coordinator:

Dr. Mike Phillips
Department of Plant and Soil Sciences
117 Dorman Hall
662-325-2311; jmp657@msstate.edu

Geospatial and Remote Sensing Minor

Technology revolutions have driven the expectations of remote sensing and geospatial technologies to an all-time high for a new generation of users across a vast number of disciplines. Advances in computational technologies, visualization products, and sensor technologies have led to the development of unprecedented capabilities in geospatial technologies, such as remote sensing and geographic information systems. With the plethora of remote sensing technologies, the industry is poised to develop operational remote sensing applications that fundamentally impact management of resources. Mississippi State University has developed broad, multi-disciplinary efforts in spatial technologies of many types, and is a leader among universities in education and outreach activities to prepare the next generation for utilizing these technologies. One of the primary limitations in the development of this industry is the need for a better-educated workforce that can understand and utilize the tools of these spatial technologies. Education in geospatial and remote sensing technologies is by nature multi-disciplinary; therefore, a minor program that crosses departmental and college boundaries has been developed to address these needs. This undergraduate minor can thus serve the needs of MSU students with diverse backgrounds from a variety of disciplines. Students may strategically assess which courses within their disciplinary academic program can be used for the minor, thus satisfying the needs of both and maximizing their education experience.

The minor should represent a student's mastery of basic GIS and Remote Sensing coursework. A minimum of 3 hours of coursework is required in each of these areas:

- Geographic Information Systems
- Remote Sensing
- Advanced Geospatial Technologies

Students are required to complete 6 hours of additional coursework within the category of Geospatial Applications. A list of geospatial application electives is listed, and it includes courses that are offered by several MSU departments.

Due to the multi-disciplinary nature of this program, the Office of the Academic Affairs is the resident office for admission and administration. Thus, the program is not focused on a single college or department. A program coordinator, appointed by the Provost, advises students seeking the GRS minor, and assists departmental advisors. The coordinator is also responsible for conducting the necessary transcript audits and authorizing the awarding of the minor.

For further information and enrollment information, contact the GRS program coordinator:

Dr. John Rodgers
Department of Geosciences
355 Lee Blvd, 108 Hilbun Hall
Mississippi State, MS 39762
662-325-3915, jcr100@msstate.edu

A total of 15 semester hours are required: nine selected from the list of required courses, and six selected from the list of elective courses.

Required Courses

Remote Sensing

Choose one of the following:	3
ABE /PSS 4483/6483	Introduction to Remote Sensing Technologies
ECE 4423/6423	Introduction to Remote Sensing Technologies
GR 4333/6333	Remote Sensing of the Physical Environment
FO 4453/6453	Remote Sensing Applications

GIS

Choose one of the following:	3
GR 4303/6303	Principles of GIS
WFA 4253/6253	Application of Spatial Technologies to Wildlife and Fisheries Management
FO 4472/6472	GIS for Natural Resource Management

AND

FO 4471/6471 GIS for Natural Resource Management Lab

Advanced Geospatial Coursework

Choose one of the following:

3

FO 4313/6313 Spatial Technologies in Natural Resources Management

FO 8313 Spatial Statistics for Natural Resources

FO 8353 Ecological Modeling in Natural Resources

FO 8173 Advanced Spatial Technologies

GR 4313/6313 Advanced GIS

GR 4343/6343 Advanced Remote Sensing in Geosciences

GR 8303 Advanced Geodatabase Systems

ST 4313 Introduction to Spatial Statistics

Geospatial Applications

Choose two of the following:(Courses must be different from the ones taken from the above categories. A course may not be used to satisfy more than one requirement)

6

ABE 3513 The Global Positional System and Geographic Information Systems in Agriculture and Engineering

ECE 3443 Signals and Systems

ECE 4413 Digital Signal Processing

ECE 8401 Current Topics in Remote Sensing

ECE 8473 Digital Image Processing

FO 4313/6313 Spatial Technologies in Natural Resources Management

FO 8173 Advanced Spatial Technologies

FO 8313 Spatial Statistics for Natural Resources

FO 8353 Ecological Modeling in Natural Resources

GR 3303 Survey of Geospatial Technologies

GR 4313/6313 Advanced GIS

GR 4323/6323 Cartographic Sciences

GR 4343/6343 Advanced Remote Sensing in Geosciences

GR 4353/6353 Geodatabase Design

GR 4363/6363 Geographic Information Systems Programming

PSS 4373/6373 Geospatial Agronomic Management

PSS /ECE 4411/6411 Remote Sensing Seminar

FO /GR 4411/6411 Remote Sensing Seminar

ST 4313 Introduction to Spatial Statistics

Total Hours

15

Leadership Studies Minor

The interdisciplinary minor in Leadership Studies provides academic and experiential knowledge and skills to prepare students for future leadership positions in communities, professions, and organizations. The Leadership Studies minor is open to Mississippi State University students in all Colleges, Schools, and majors. It requires 19 hours of approved coursework, including at least one experiential internship component. No more than two courses from the same academic Department may be applied to this minor. Students in the Leadership Studies minor must maintain grade point averages of 2.00 or higher overall and grade point averages of 2.50 or higher in courses applied to the minor. Students must earn a grade of C or higher in all minor courses.

Admission and Graduation Standards: Entering freshmen may declare a Leadership Studies minor in the first semester by securing approval of a minor program of studies as outlined herein. Qualified students, including incoming transfer students, may declare the minor during any subsequent semester. After the first semester of college, students must have minimum overall GPAs of 2.00 or higher (including all course work taken, not just in the minor) to enter or remain in the minor. To graduate with a Minor in Leadership Studies, students must meet all course requirements on their approved programs of minor study, must have overall GPAs of 2.00 or higher on all coursework attempted, and must have 2.50 or higher GPAs over all minor courses. Students must earn grades of C or higher in all courses applied to the Leadership Studies minor.

Curriculum Outline: Each student will select one core course in each of three core areas: Ethics, which are essential for any leader; Social Science, which studies leadership directly and provides knowledge of direct relevance to leadership; and Communication, which involves skills that are critically important for leaders. (For students in majors with little room for electives, judicious selection of the core courses in the Leadership Studies minor may simultaneously fulfill certain General Education requirements, College or School Core Curriculum, or Departmental Major requirements.) Each student

will further select from an approved list, in consultation with his or her Leadership Studies minor advisor, at least three more courses that facilitate the student's goals. Finally, each student will register for a 1-hour (48 contact hours during the semester) experiential internship.

Area I: Ethics and Leadership

Choose one of the following:	3
PHI 1123 Introduction to Ethics	
MGT 3823 Socially Responsible Leadership	

Area II: Leadership and Social Science

Choose one of the following:	3
MGT 3813 Organizational Behavior	
PSY 3623 Social Psychology	
PS 3013 Political Leadership	
PS /GE 2713 Introduction to Engineering and Public Policy	

Area III: Leadership and Communication Skills

Choose one of the following:	3
CO 1003 Fundamentals of Public Speaking	
CO 3213 Small Group Communication	
CO 3803 Principles of Public Relations	

Area IV: Experiential internship component

EXL 1191 Leadership Studies Internship I	1
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Area V: Electives

Choose a minimum of three:	9
See advisor for a complete list of approved leadership electives. Courses listed in the Minor Core may also be taken as electives if they are not being used to satisfy the minor core requirement. Students generally take all of their electives in the same college, but doing so is not a requirement. Elective are best selected in consultation with the student's Leadership Studies Minor advisor to meet the goals and objectives of the student. Electives are available in each college which allows this minor to be applicable to any major.	

For additional information, contact Robert Green, Chair, Leadership Studies Minor committee at green@bagley.msstate.edu

Minor in International Studies

The Minor in International Studies is designed to enhance students' understanding of the global environment in which they are living. Students completing this program will develop some proficiency in a foreign language, have experience living in another country, and have some general background of different cultures and societies. The Introduction to Global Studies course serves as an introduction to global concerns and responsibilities that can begin on the MSU campus. The Cross-Cultural Leadership course serves as a capstone to bring the ideas of students in the program together, addressing ways to use their experiences and knowledge to become leaders in the world. A total of 18 approved hours must be completed for this minor.

Requirements

A minimum of 18 semester hours with a grade of a "C" or above are required in the following component areas with at least three credit hours from a study abroad experience and six credit hours of foreign languages. The three-credit-hour Introduction to Global Studies (ISE 1103) and the three-credit-hour Cross-Cultural Leadership (ISE 4103) are required of all students.

Course Options:

Required

ISE 1103 Introduction to Global Studies	3
ISE 4103 Cross-Cultural Leadership	3
Foreign Language Courses	6
Approved Study Abroad	3
Elective Course with International focus	3

For additional information, contact the Office of Study Abroad or visit the web site at international.msstate.edu/current/minor/index.php.