

## Colleges and Curricula

## Academic Organization

Ohio University offers curricula in more than 250 undergraduate majors leading to bachelor's or associate's degrees through nine colleges: Arts and Sciences, Business, Communication, Education, Engineering and Technology, Fine Arts, Health and Human Services, Honors Tutorial, and University. Programs are also offered through the Center for International Studies, the Division of Lifelong Learning, and the College of Osteopathic Medicine. The Office of Graduate Student Services coordinates graduate study at Ohio University.

Ohio University is fully accredited by the North Central Association of Colleges and Schools at the bachelor's, master's, and doctoral levels. In addition, numerous departments, schools, and colleges within the University hold individual accreditation as listed below. Additional information is available from the office of each college's dean.

The following list of colleges and areas includes degrees, accrediting agencies, and schools and departments.

### College of Arts and Sciences

Curricula leading to the Bachelor of Arts and Bachelor of Science degree; preprofessional curricula; and preparation for teaching at the secondary level.

#### Accreditation

American Psychological Association  
Council on Social Work Education

#### Departments

African American Studies  
Biological Sciences  
Chemistry and Biochemistry  
Classics and World Religions  
Economics  
English  
Environmental and Plant Biology  
Geography  
Geological Sciences  
History  
Linguistics  
Mathematics  
Modern Languages  
Ohio Program of Intensive English\*  
Philosophy  
Physics and Astronomy  
Political Science  
Psychology  
Social Work  
Sociology and Anthropology  
Women's Studies

### College of Business

Curricula leading to the Bachelor of Business Administration degree.

#### Accreditation

AACSB—The International Association of Management Education

#### Departments/Schools

Accountancy  
Finance  
Management Information Systems  
Management Systems  
Marketing

### Scripps College of Communication

Curricula leading to the Bachelor of Science in Communication, Bachelor of Science in Journalism, and Bachelor of Science in Visual Communication degrees.

#### Accreditation

Accrediting Council on Education for Journalism and Mass Communication

#### Schools

Communication Studies  
Communication Systems Management  
Journalism  
Telecommunications  
Visual Communication

### College of Education

Teacher training curricula leading to the Bachelor of Science in Education degree; supervision of student teaching and other field experiences in education.

#### Accreditation

NCATE

CACREP

CORE

#### Departments

Counseling and Higher Education  
Educational Studies  
Teacher Education

### Russ College of Engineering and Technology

Curricula leading to the Bachelor of Science in Aviation, Chemical Engineering, Civil Engineering, Computer Science, Electrical Engineering, Industrial and Systems Engineering, Industrial Technology, and Mechanical Engineering.

#### Accreditation

Accreditation Board for Engineering and Technology

National Association of Industrial Technology

#### Departments/Schools

Aviation  
Chemical Engineering  
Civil Engineering  
Electrical Engineering and Computer Science  
Industrial and Systems Engineering  
Industrial Technology  
Mechanical Engineering

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## College of Fine Arts

Curricula leading to the Bachelor of Fine Arts, Bachelor of Music, and Bachelor of Arts degrees.

### Accreditation

National Association of Schools of Art and Design

National Association of Schools of Dance

National Association of Schools of Music

National Association of Schools of Theater

### Schools

Art

Dance

Film

Interdisciplinary Arts

Music

Theater

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## College of Health and Human Services

Curricula leading to the Bachelor of Science in Athletic Training; Environmental Health; Health; Hearing, Speech and Language Sciences; Human and Consumer Sciences; Industrial Hygiene; Nursing; Physical Education; Recreation Studies; and Sport Sciences; entry-level graduate curriculum leading to the Doctor of Physical Therapy.

### Accreditation

Accreditation Board for Engineering and Technology

American Alliance for Health, Physical Education, Recreation, and Dance

American Association of Family and Consumer Sciences

Commission on Accreditation for Dietetics Education

Commission on Accreditation for Physical Therapy Education

Commission on Accreditation of Allied Health Education Programs

Commission on Collegiate Nursing Education

Council on Academic Accreditation of the American Speech-Language-Hearing Association

Foundation for Interior Design, Education, and Research

National Association of Boards of Examiners for Nursing Home Administrators

National Council for Accreditation of Teacher Education

National Environmental Health Science and Protection Accreditation Council

National Recreation and Park Association/American Association for Leisure and Recreation

Sport Management Program Review Council

### Schools

Health Sciences

Hearing, Speech and Language Sciences

Human and Consumer Sciences

Nursing

Physical Therapy

Recreation and Sport Sciences

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## Honors Tutorial College

A renowned degree-granting college with 26 programs of study. Honors Tutorial College students undergo a rigorous and exhilarating academic experience that combines a set of tutorials, upper division classes, and selected graduate courses. In order to allow students to pursue this challenging form of undergraduate education, Honors Tutorial College students are exempt from General Education Requirements, except English composition. A high percentage of the students in this college enter graduate or professional school. You may request consideration for admission to the Honors Tutorial College and must indicate a program of study at the time of application.

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## University College

College for students who have not decided on a major. Two-year programs leading to the Associate in Arts, Associate in Science, and Associate in Individualized Studies degrees. Four-year programs leading to the Bachelor of Specialized Studies and Bachelor of Criminal Justice degrees. Two and four-year Reserve Officers' Training Corps programs leading to commissions in the U.S. Army and the U.S. Air Force.

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## Graduate Studies

Programs leading to the Master of Arts, Master of Business Administration, Master of Communication Technology and Policy, Master of Education, Master of Fine Arts, Master of Health Administration, Master of Music, Master of Public Administration, Master of Public Health, Master of Science, Master of Social Science, Master of Social Work, Master of Sports Administration, Doctor

of Audiology, Doctor of Education, Doctor of Philosophy, and Doctor of Physical Therapy degrees. Certificate programs are also offered in the areas of Conservation Biology\*, Contemporary History\*, Geographic Information Science, Gerontology, Health Care Services Administration, Health Policy, Music Performance, and Women's Studies\*. (See the Graduate Catalog for specific programs and majors.)

\*participants in these certificate programs must be concurrently admitted to a graduate degree program as a degree-seeking student.

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## Center for International Studies

Jointly administers a Bachelor of Arts in International Studies with the College of Arts and Sciences. For non-majors, the Center offers certificates in:

African Studies  
Asian Studies  
European Studies  
Latin American Studies.

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## Lifelong Learning

Provides educational opportunities to traditional and nontraditional learners, through the use of alternative teaching and learning formats.

Both credit and noncredit programs are available to students on campus, as well as at a distance.

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## College of Osteopathic Medicine

Offers a four-year medical education program leading to the Doctor of Osteopathic Medicine degree (see separate catalog) and postdoctoral programs in family practice, general surgery, orthopedics, pediatrics, and obstetrics and gynecology. Accredited by the American Osteopathic Association.

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## Regional Campuses

Chillicothe

Eastern (St. Clairsville)

Lancaster

Southern (Ironton)

Zanesville

## Major Codes

The following is a listing of undergraduate major codes arranged by the college in which each major is offered. Some programs and majors are offered through more than one college, and not all majors are open to incoming freshmen. For specific information on a particular program, see the appropriate college section of the catalog.

### Major Code Prefixes

The two-letter prefix of each major code indicates the type of degree awarded in that major. In some cases, it indicates that an additional application process is required for admission to the major.

AA	Associate in Arts
AAS	Associate in Applied Science
AS	Associate in Science
BA	Bachelor of Arts
BB	Bachelor of Business Administration
BC	Bachelor of Science in Communication
BF	Bachelor of Fine Arts
BJ	Bachelor of Science in Journalism
BM	Bachelor of Music
BS	Bachelor of Science
ND	Nondegree program
SA	Separate application required

### College of Arts and Sciences

Some of the majors in this college have two major codes. In general, with these majors you have the option of choosing *either* a degree program that is more hard sciences oriented (BS) or one that is more liberal arts/humanities oriented (BA). Details on curricular differences can be found in the College of Arts and Sciences section under the specific program listings. You may want to consult with an admissions officer or a college representative about which option is more suitable for you.

**BA4903 African American Studies**

**BA4252 Anthropology**

**BS2121 Biological Sciences**

BS2520 Cellular and Molecular Biology

BS2121 Integrated Biology

BS2126 Marine, Freshwater, and Environmental Biology

BS0411 Microbiology

BS2507 Pre-Physical Therapy

BS2127 Pre-Professional Program

BS2515 Wildlife and Conservation Biology

#### Chemistry and Biochemistry

BS3311, BA3311 Chemistry

BS3316 Biochemistry

BS3315, BA3315 Environmental Chemistry

BS3310 Forensic Chemistry

BS3312, BA3312 Predentistry

BS3313 Prepharmacy

BS3314, BA3314 Premedicine

#### Classics and World Religions

BA5214 Classical Civilization

BA5212 Greek

BA5213 Greek and Latin

BA5211 Latin

BS5215 World Religions

#### BA4221 Economics

BA4223 Pre-Foreign Service

BA4222 Prelaw

#### BA5231 English

BA5232 Creative Writing

BA5234 Prelaw

BA5233 Pretheology

#### Environmental and Plant Biology

BS2118 Cell Biology and Biotechnology

BS2113 Environmental Biology

BS2115 Applied Ecology

BS2111, BA2111 Plant Biology

#### Environmental Studies

(see Biological Sciences, Chemistry and Biochemistry, Environmental and Plant Biology, Geography, and Geological Sciences)

**BS4231, BA4231 Geography**

BS4232 Environmental

BS4237 Environmental Prelaw

BS4235 Geographic Information Science Analyst

BS4238 Meteorology

BS4234, BA4234 Urban Planning

**BS3321, BA3321 Geological Sciences**

BS3323 Environmental

**BA4211 History**

BA4212 Pre-Foreign Service

BA4214 Prelaw

BA4213 Pretheology

**ND4404 International Studies\* pre-major status**

BA4405 Africa

BA4406 Asia

BA4407 Europe

BA4408 Latin America

**BA5290 Linguistics**

**BS3101, BA3101 Mathematics**

BS3105, BA3105 Actuarial Sciences

BS3103 Applied

BS3104, BA3104 Meteorology

BS3102, BA3102 Prep. for Advanced Training

#### Modern Languages

BA5221 French

BA5222 German

BA5224 Russian

BA5225 Spanish

**BA5241 Philosophy**

BA5244 Prelaw

BA5242 Pretheology

**BS3331, BA3331 Physics**

BS3332 Applied Physics

BS3335 Astrophysics

BS3338 Meteorology

**BA4201 Political Science**

BA4202 Pre-Foreign Service

BA4203 Prelaw

BA4200 Public Administration

**BA4101 Psychology**

BA4105 Pre-Physical Therapy

**BA6601 Social Work<sup>1</sup>**

ND6603 Pre-Social Work\*

**BA4251 Sociology**

BA4253 Criminology

BA4254 Prelaw

**BA4402 Women's Studies**

**ND0410 Undecided\*\***

\* These entry-level programs do not fulfill a degree but are intended as preparation for admission into a major or professional school or program.

<sup>1</sup> Not open to freshmen; you must complete the Pre-Social Work Program before you can become a social work major.

\*\*Some restrictions apply. See Undecided under College of Arts and Sciences.

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**College of Business**

BB6121	Accounting
BB6124	Business Economics
BB6120	Business Prelaw
BB6125	Finance
BB6122	General Business
BB6130	Human Resource Management
BB6132	International Business
BB6126	Management and Strategic Leadership
BB6137	Management Information Systems
BB6127	Marketing
ND0610	Undecided

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**Scripps College of Communication**

BC5363	<b>Communication Studies</b> <b>Concentrations:</b> Organizational Communication Communication and Public Advocacy Health Communication
BC5329	<b>Communication Systems Management</b> (Voice/data/image communication network and services. Electives in data communication, voice communication systems, international communication, regulatory policy)
	<b>Journalism</b>
BJ6910	Carr Van Anda
BJ6932	Advertising Management
BJ6933	Magazine Journalism
BJ6934	News Writing and Editing
BJ6909	Online Journalism
BJ6935	Public Relations
BJ6936	Broadcast News
	<b>Telecommunications</b>
BC5353	Audio-Music Production
BC5354	Audio-Post-Production
BC5312	Management
BC5311	Media Studies
BC5313	Video Production

BC5322	Digital Media: Special Effects, Games, and Animation
	<b>Visual Communication</b>
BS6924	Informational Graphics/Publication Design
BS6923	Interactive Multimedia
BS6922	Photojournalism
BS6925	Commercial Photography

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**College of Education**

	<b>Early Childhood Education</b>
ND6854	Early Childhood Pre-major
BS6854	Early Childhood Education <sup>1</sup>
	<b>Middle Childhood Education</b>
BS6175	Mathematics and Social Studies
BS6176	Science and Social Studies
BS6177	Mathematics and Science
BS6178	Language Arts and Social Studies
BS6179	Language Arts and Science
BS6180	Language Arts and Mathematics
	<b>Special Education</b>
BS6316	Special Education-Intervention Specialist Mild-Moderate Educational Needs
BS6317	Special Education-Intervention Specialist Moderate Intensive Educational Needs
	<b>Adolescent to Young Adult Programs</b>
BS6314	Life Science
BS6315	Earth Science
BS6306	Integrated Language Arts
BS6307	Integrated Mathematics
BS6309	Integrated Science
BS6308	Integrated Social Studies
BS6310	Physical Science

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**Multi-age Programs**

BS6232	French
BS6235	Spanish
BS6233	German
BS6312	Physical Education <sup>1</sup>

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**ND0810 Undecided**

<sup>1</sup> Offered in both the College of Education and the College of Health and Human Services. You may receive teacher licensure regardless of the college in which you enroll.

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**Russ College of Engineering and Technology**
**Aviation**

BS7261	Aviation Management
BS7258	Flight
AA7250	Aviation Technology

**BS7251 Chemical Engineering**

(technical electives in environmental engineering, materials science and processing, and biochemical engineering)

**BS7252 Civil Engineering**

(technical electives in environmental engineering, geo-technical engineering, pavements, surveying, structural mechanics and design, transportation and water resources)

**BS7260 Computer Science**

(areas of specialization in artificial intelligence, computer networking, computer science theory, database systems, operating systems, parallel processing/compilers, and software engineering)

**BS7253 Electrical Engineering:**

**electrical engineering track**  
(technical electives in avionics, circuit design, communication, computers, control systems, electromagnetics, electronics and instrumentation, energy sources and systems, and power transmission and distribution)

**BS7254 Electrical Engineering:**

**computer engineering track**

**BS7255 Industrial and Systems Engineering**

(technical electives in manufacturing systems, manufacturing information systems, and operations research)

**BS7256 Industrial Technology**  
(focus areas include materials and processes or manufacturing information technology, also includes minor in business)

**BS7257 Mechanical Engineering**  
(technical electives in energy, thermal systems, CAD/CAM, materials processing, vehicle dynamics, robotics, manufacturing, and machine design)

**ND0910 Undecided**

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### College of Fine Arts

#### Art

ND5153 General Art  
BF5123 Art History<sup>1</sup>  
BF5127 Ceramics<sup>1</sup>  
BF6321 Graphic Design<sup>1</sup>  
BF5124 Painting<sup>1</sup>  
BF5143 Photography<sup>1</sup>  
BF5128 Printmaking<sup>1</sup>  
BF5126 Sculpture<sup>1</sup>  
BA5193 Art

#### BF5151 Dance

#### Music

ND5117 Pre-Music  
BM5105 Music Composition  
BM5106 Music Education—Choral  
BM5107 Music Education—Instrumental  
BM5114 Music History and Literature  
BM5116 Music Theory  
BM5115 Music Therapy  
BM5103 Orchestral Instruments  
BM5102 Organ Performance  
BM5104 Piano Pedagogy  
BM5100 Piano Performance  
BM5101 Voice Performance  
BA5195 Music

#### Theater

BF5137 General Theater  
BF5167 Management<sup>2</sup>  
BF5161 Performance<sup>2</sup>  
BF5165 Playwriting<sup>2</sup>  
BF5162 Production Design and Technology<sup>2</sup>  
BA5194 Theater

#### ND9917 Nondegree

<sup>1</sup> Not open to freshmen; apply initially as a General Art major.

<sup>2</sup> Not open to freshmen; apply initially as a General Theater major.

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### College of Health and Human Services

#### Health Sciences

BS8105 Community Health Services  
BS6260 Environmental Health Science  
BS8119 Health Services Administration  
BS3309 Industrial Hygiene  
BS6836 Long-Term Health Care Administration

#### BS5305 Hearing, Speech and Language Sciences

#### Human and Consumer Sciences

AA1106 Child Development  
BS6360 Dietetics  
ND6355 Pre-Early Childhood<sup>1, 5</sup>  
BS6370 Family and Consumer Sciences Education<sup>2</sup>  
BS6351 Family Studies  
ND6383 Pre-Interior Architecture<sup>5</sup>  
BS6383 Nutrition with Science  
BS6361 Restaurant, Hotel and Tourism  
ND6380 Pre-Retail Merchandising<sup>5</sup>

#### Nursing

ND1205 Pre-Baccalaureate Nursing<sup>3</sup>  
BS1203 Baccalaureate Nursing<sup>3</sup>  
ND1204 School Nurse<sup>3</sup>

#### Physical Therapy<sup>4</sup>

#### Recreation and Sport Sciences

ND8142 Pre-Athletic Training<sup>5</sup>  
ND8106 Pre-Physical Education<sup>2,5</sup>  
BS8113 Adventure Recreation  
BS8108 Outdoor Education and Camping  
BS8109 Recreation Management

#### Sport Sciences

ND8122 Pre-Exercise Physiology<sup>5</sup>  
ND8123 Pre-Sport Management<sup>5</sup>

#### ND0210 Undecided

<sup>1</sup> Jointly offered by both the College of Education and the College of Health and Human Services. Degree awarded is Bachelor of Science in Education regardless of College.

<sup>2</sup> Offered in both the College of Health and Human Services and the College of Education. Apply initially to the College of Health and Human Services. You may receive teacher licensure regardless of the College in which you enroll.

<sup>3</sup> Not open to freshmen—available only to registered nurses.

<sup>4</sup> Not open to freshmen—selective admission doctoral program. Enter through a preparatory program such as Biological Sciences Pre-Physical Therapy or Psychology Pre-Physical Therapy in the College of Arts and Sciences, or Sport Sciences—Exercise Physiology in the College of Health and Human Services. You must apply for the doctoral program through the School of Physical Therapy.

<sup>5</sup> Selective admission program. Consult the program listing for details.

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### Honors Tutorial College

Some of the majors listed below have two major codes, of which you will select one. In general, the second option (BA) provides a curriculum that is more liberal arts oriented. You may want to consult with an admissions officer or a college representative regarding which option is more suitable for you.

**BA1934 Anthropology**

**BS1931 Astrophysics**

**BS1902 Biological Sciences**

**BB1926 Business**

**BS1904 Chemistry**

**BA1932 Classics**

**BS1918 Communication Studies**

**BA1929 Computer Science**

**BF1906 Dance**

**BS1925 Engineering Physics**

**BA1916 English**

**BS1901 Environmental and Plant Biology**

**BF1924 Film**

**BA1914 French**

**BS1919 Hearing, Speech and Language Sciences**

**BA1909 History**

**BJ1923 Journalism**

BS1903	Mathematics
BA1917	Philosophy
BS1905	Physics
BA1908	Political Science
BA1930	Social Work
BA1912	Sociology/ Sociology- Criminology
BA1915	Spanish
BC1920	Telecommunications
BF1913, BA1913	Theater

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### University College

	<b>Associate in Arts</b>
AA1101	Arts and Humanities Emphasis
AA1110	Social Sciences Emphasis
AI5508	Associate in Individualized Studies <sup>1</sup>
AS1104	Associate in Science
BC2209	Bachelor of Criminal Justice <sup>2</sup>
BS1112	Bachelor of Specialized Studies <sup>3</sup>
ND1201	Undecided

<sup>1</sup> Separate application required.

<sup>2</sup> Requires an associate's degree in an area related to criminal justice for admission. Not open to first-year students.

<sup>3</sup> Separate application required. Not open to first-year students.

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### Regional Campuses

The following degrees are available on all regional campuses:

	<b>Associate in Arts</b>
AA1101	Arts and Humanities Emphasis
AA1110	Social Sciences Emphasis
AS1104	Associate in Science
BT5510	Bachelor of Technical and Applied Studies

#### Chillicothe Campus

AI5508	Associate in Individualized Studies
AA5006	Business Management Technology
AA1106	Child Development

AA5010	Computer Science Technology
AA5003	Deaf Studies and Interpreting
AA5018	Environmental Engineering Technology
AA5004	Hazardous Materials Technology
AA5201	Human Services Technology
AA5505	Law Enforcement Technology
ND2341	Pre-Nursing
AA2342	Nursing, RN
AA5014	Office Technology

#### Lancaster Campus

AI5508	Associate in Individualized Studies
AA5002	Accounting Technology
AA5006	Business Management Technology
AA1106	Child Development
AA5010	Computer Science Technology
AA5013	Electronic Media
AA5020	Industrial Maintenance Technology
AA5505	Law Enforcement Technology
AA5019	Medical Assisting Technology

#### Southern Campus

AI5508	Associate in Individualized Studies
AA5002	Accounting Technology
AA5006	Business Management Technology
AA1106	Child Development
AA5010	Computer Science Technology
AA5013	Electronic Media
AA5017	Equine Studies
AA5201	Human Services Technology
AA5505	Law Enforcement Technology

AA5021	Materials Management Technology
ND2341	Pre-Nursing
AA2342	Nursing, RN
AA5014	Office Technology
AA5016	Travel and Tourism
<b>Zanesville Campus</b>	
AI5508	Associate in Individualized Studies
AA5013	Electronic Media
ND2341	Pre-Nursing
AA2342	Nursing, RN

<sup>1</sup> Separate application required.

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## Minor Codes

**In general, all academic minors are open to any student pursuing a baccalaureate program at the University. Detailed information for each minor is listed in the catalog section of the college through which the minor is offered; check the index for the specific location.**

OR4903	African American Studies	OR5212	Greek
OR4252	Anthropology	OR5305	Hearing, Speech and Language Sciences
ORARTM	Art	OR4211	History
ORASTR	Astronomy	ORIART	Interdisciplinary Arts
OR6360	Basic and Applied Nutrition	ORJAPN	Japanese
OR2121	Biological Sciences	OR5211	Latin
ORBSAD	Business	OR5290	Linguistics
OR3311	Chemistry	OR3101	Mathematics
OR5214	Classical Civilization	OR4233	Meteorology
ORCOMS	Communication Studies	ORMUSI	Music
OR5151	Dance	OR5241	Philosophy
ORDNCH	Dance: History and Theory	OR3331	Physics
ORDNCS	Dance: Somatic Studies	OR2111	Plant Biology
OR4221	Economics	OR4201	Political Science
OR5231	English	OR4101	Psychology
OR6260	Environmental Health Sciences	OR8109	Recreation
ORFILM	Film	OR6380	Retail Merchandising
OR5221	French	OR5224	Russian
OR4231	Geography	OR6602	Social Services
OR3321	Geological Sciences	OR4251	Sociology
OR5222	German	OR5225	Spanish
		ORTCOM	Telecommunications
		ORTHAR	Theater
		OR5215	World Religions

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## Certificate Programs

**The certificate programs listed here are open to all students pursuing baccalaureate programs at the University, regardless of college or major. The equivalent of minors, these interdisciplinary programs can complement your major, broaden your career possibilities, or allow you to study an area of interest from a variety of perspectives. You will be awarded the certificate and receive official recognition on your transcript when you graduate. Please note that these certificate programs are not related to teaching or other professional certification conferred by outside agencies. To enroll in a program, contact the College or address noted below for a form or application. Your own College will enter your certificate information into your record.**

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### East Asian Studies

The East Asian Studies Certificate provides students with an appreciation of China, Japan, and Korea and the role this vital region plays in the changing world politics. To ensure a broad understanding of East Asia, the interdisciplinary approach to meeting requirements includes courses in art, business, film, geography, history, journalism, linguistics, political science, sociology, and languages. With the increasing expansion of American businesses to East Asian nations and East Asian-based businesses to the United States, a sound knowledge about East Asia may enhance your undergraduate degree and lead to career or graduate school opportunities.

You can earn the East Asian Studies Certificate by completing the beginning and intermediate levels (or higher, with demonstrated ability) of an East Asian language and an additional 32 hours, including an introductory course, and at least 6 additional courses from a wide array of academic disciplines offered by the Colleges of Arts and Sciences, Fine Arts, Business, and Communication.

For more information and a list of approved courses, see the complete program description in the College of Arts and Sciences section.

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### Environmental Studies

The field of environmental studies encompasses the complex interactions among humans, other organisms, and the biophysical environment. The Environmental Studies Certificate Program is offered by the College of Arts and Sciences for students who want to gain knowledge and understanding about the interdisciplinary field of environmental studies.

You can earn a certificate in environmental studies by completing 32–35 hours that include required introductory and ecology courses and approved selections from the areas of quantitative skills, natural sciences, and social sciences. Many certificate courses satisfy both Tier and Arts and Sciences requirements. Further, courses taken as part of an Arts and Sciences major will also count toward fulfilling the certificate.

For additional information and a list of approved courses, see the complete program description in the Arts and Sciences section.

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### Geographic Systems

Maps remain a fundamental means of geographic communication, and the expanding role of the map and related digital information places a premium on the ability to interpret and analyze mapped information. To meet this expanding role, the advancement of Geographic Information Science (GIS) is seen as the important synthesis of traditional mapping with the more advanced tools of data modeling and analysis. In addition to core GIS and cartography courses, the undergraduate certificate in GIS requires students to complete a rigorous set of interdisciplinary courses, including statistics, computer applications, programming, database management, and a capstone internship project. The certificate is open to all students (except geography majors). For more information and a complete list of courses, refer to the description of the GIS certificate under Geography in the College of Arts and sciences section of the catalog.

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### Gerontology

The College of Health and Human Services and the College of Arts and Sciences jointly sponsor the undergraduate Gerontology Certificate Program for students who want to gain knowledge and skills for a career that involves working with the elderly. Traditional aging-related content, and the global impact of aging are linked with program initiatives that enable students to appreciate how this growing population affects their own area of study. Health care, social services, recreation, mental health, education, administration, and business are examples of service areas that now employ large numbers of persons working with and for the aging population. You can earn the certificate by completing at least 28 credit hours of selected coursework, including an approved practicum, field experience, or internship.

For additional information and a list of approved courses, see the complete program description in the Health and Human Services section.

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### Global Leadership Center

The Global Leadership Center (GLC) is an innovative, two-year program that prepares students for leadership opportunities in a rapidly changing world. Open to all majors, the GLC brings together the resources of the colleges of Communication, Arts and Sciences, and Business in an interdisciplinary, 30 quarter-hour program on global issues, with a strong emphasis on real-world projects and problem-solving skills.

GLC courses are not traditional classes with lectures, tests, and papers. Instead, students work in project teams on global problems and issues. Students enter the GLC in fall quarter of their sophomore or second year, and spend that year in residence in Bromley Hall, a private residence hall near campus. The junior year is non-residential. Each GLC student completes at least two international and cross-cultural projects.

For additional information, see the complete program description in the Scripps College of Communication section or visit the GLC Web site: <http://www.ohio.edu/glc/>.

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### International Studies

The Center for International Studies offers certificates in African, Asian, European, and Latin American Studies for students who wish to add an international dimension to their program of study, as well as for those interested in international careers or who are planning graduate work in area studies.

Earning the certificate involves completing seven to nine approved courses relating to the area of study—including language courses, in some cases—with an overall g.p.a. of 2.5 in courses taken toward the certificate.

For additional information, see the complete program description in the Arts and Sciences section.

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### Italian Studies

The aim of the Italian Studies Certificate is to provide students with the opportunity to enter into the study of the rich and varied culture of Italy through an interdisciplinary and complementary approach. Courses offered by the Colleges of Arts and Sciences and Fine Arts include the core study of the Italian language, both written and spoken, along with 24 credit hours from courses in art history, Italian literature, history, classical archeology, and classics. The result is a knowledge base that provides both depth and scope, a true enhancement to any undergraduate degree program.

For more information about the certificate and a list of approved courses, see the complete program description in the Arts and Sciences Section.

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### Political Communication

The College of Arts and Sciences and the Scripps College of Communication jointly sponsor a certificate in political communication for students who wish to supplement their major with an inquiry into the area of political communication. Political communication encompasses the interactions of political figures, political interests, the press, and the public in their efforts to persuade and influence political outcomes.

To receive a certificate in political communication, you must complete two introductory courses and an additional 22 quarter hours of approved coursework.

For additional information and a list of approved courses, see the complete program description in the Scripps College of Communication section.

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### Sales

The College of Business through The Sales Centre at Ohio University sponsors the undergraduate Sales Certificate Program for students who want to develop knowledge and skills in professional selling. There are currently five options in the Sales Certificate Program—the Sales Certificate with a Professional Focus, the Sales Certificate with a Retail Focus, the Sales Certificate with a Media Focus, the Sales Certificate with a Financial Services Focus, and the Sales Certificate with a Sport Management Focus. Admission into the Sales Certificate Program is competitive, and space is limited. Students accepted into the program can earn a Sales Certificate by completing the approved coursework and a sales internship, a total of 28 hours.

For further information, a list of approved courses, and an explanation of competitive entrance requirements, see the complete program description in the College of Business section.

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### Women's Studies

Students in any major may earn the Women's Studies Certificate by completing four required Women's Studies courses and an additional 14 quarter hours of approved coursework.

For additional information and a list of approved courses, see the complete program description in the Arts and Sciences section.