



HLC Accreditation 2016-2017

Evidence Document

Academic Affairs

General Education Requirements for Degree Programs

Additional information: See these program factsheets at:
<http://www.wichita.edu/thisis/majors/factsheets/ENAerospaceEngineering.pdf>
<http://www.wichita.edu/thisis/majors/factsheets/Anthropology.pdf>
<http://www.wichita.edu/thisis/majors/factsheets/FAArtDesign.pdf>
<http://www.wichita.edu/thisis/majors/factsheets/EDEarlyChildhoodUnified.pdf>
<http://www.wichita.edu/thisis/majors/factsheets/HPPublicHealthSciences.pdf>
<http://www.wichita.edu/thisis/majors/factsheets/BAManagement.pdf> (Accessed March 21, 2016.)

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AEROSPACE ENGINEERING

Wichita has been named the “Air Capital of the World” because it is one of the world’s largest producers of aircraft through Airbus, Cessna, Bombardier Learjet, Beechcraft, and Spirit Aerosystems. Thus, it is an excellent place to study aerospace engineering. Wichita State University grew up with the pioneers in early aviation and became a pioneer in its own right by offering the bachelor’s degree in aeronautical engineering as early as 1928 (it was only the 6th university to offer the program in the U.S. at the time). Both WSU and its students benefit from a location rich in aviation heritage and current technology.

Our aerospace engineering program provides an array of courses that will enable students to participate in the design and analysis of aircraft and spacecraft. We offer courses in the following general fields:

- Propulsion - the study of the systems associated with producing useful motion
- Structures - the study of the structural components of the flight vehicle
- Aerodynamics - the study of the fluid environment surrounding a flight vehicle
- Performance - the analysis of the useful operational characteristics of the flight vehicle
- Stability and control - the study of systems required to direct the flight of the vehicle

The aerospace engineering curriculum is designed to develop skills in these five areas, as well as in math, physical science, general engineering, digital computation and written and oral communication. When you become a senior, you will be part of a design team in the two-course senior design sequence. You will design, build, test and fly your own aircraft or rocket.

You may want to participate in cooperative education, a voluntary program in which you’ll have the opportunity to integrate formal course work with periods of relevant off-campus employment. Our co-op students have worked at such facilities as the NASA Johnson Space Center, NASA Dryden Flight Research Center, Boeing, Cessna, Learjet, Beechcraft and the Federal Aviation Administration.

Admission

When you choose to major in aerospace engineering, your faculty advisor will help you plan your course of study and will outline specific requirements for degree completion. It is important that you complete the basic skills classes, Calculus I and University Physics I before the completion of 48 college hours.

Laboratory and Computer Facilities

The aerospace engineering department has well-equipped laboratories for required courses and student design projects. You will have access to laboratory facilities, including many in the National Institute for Aviation Research, which are among the finest found in academic institutions nationwide. These include five wind tunnels, a water tunnel, structural testing lab, a crash-dynamics lab and a composite lab. In addition, College of Engineering students have access to computer laboratories equipped with an abundance of computers.

Related Opportunities and Programs

Aerospace engineering students are encouraged to participate in extracurricular organizations such as the student chapter of the American Institute of Aeronautics and Astronautics and the Society of Women Engineers. If you’re eligible, you may join Sigma Gamma Tau, the aerospace engineering honors society, and Tau Beta Pi, the honor society for all areas of engineering.

All of Wichita State’s engineering programs - aerospace, computer, electrical, industrial, manufacturing, and mechanical - share a math/science background and technical orientation. Graduate programs leading to master’s and doctoral degrees are offered in aerospace, electrical, industrial and mechanical engineering, as well as a master’s program in engineering management.

For more information

To receive more information, or to arrange a campus visit, contact the Office of Admissions.

wichita.edu/campusvisit
admissions@wichita.edu
(316) 978-3085

Marcus Welcome Center
1845 Fairmount
Wichita, KS 67260-0124

General Education Requirements

Basic Skills (9 hours minimum)

Must be completed in the first 48 college hours and a C or better.

- College English Composition (Eng. 100 or 101 and 102) - 6 credit hours
- Public Speaking (Communication 111) - 3 credit hours

Fine Arts, Humanities, and Social and Behavioral Sciences (18 hours minimum)

- One introductory course from a fine arts discipline - 3 credit hours
- One introductory course from a humanities disciplines - 3 credit hours
- One introductory course from a social and behavioral sciences discipline - 3 credit hours
- One introductory course from a second social and behavioral sciences discipline - 3 credit hours
- One further study course from one of the two disciplines in the division, humanities or social and behavioral sciences, in which two introductory courses are taken - 3 credit hours
- Philosophy 385 Engineering Ethics - 3 credit hours

Mathematics and Natural Sciences

- Calculus I, II and III - 13 credit hours
- Ordinary Differential Equations - 3 credit hours
- University Physics I and II - 8 credit hours
- University Physics I Lab - 1 credit hour
- General Chemistry I - 5 credit hours
- Natural Science Elective - 3 credit hours

Professional Courses

- Engineering Graphics - 3 credit hours
- Engineering Digital Computation - 3 credit hours
- Statics and Dynamics - 6 credit hours
- Fundamentals of Atmospheric Flight - 3 credit hours
- Mechanics of Materials - 3 credit hours
- Circuits I - 4 credit hours
- Engineering Economy - 3 credit hours
- Thermodynamics - 3 credit hours
- Aerospace Propulsion - 3 credit hours
- Materials Engineering - 3 credit hours
- Aerodynamics I - 3 credit hours
- Aerodynamics II - 3 credit hours
- Introduction to Space Dynamics - 3 credit hours
- Experimental Methods in Aerospace - 3 credit hours
- Flight Dynamics and Control - 3 credit hours
- Flight Structures I and II - 6 credit hours
- Flight Control Systems - 3 credit hours
- Aerospace Design I and II - 8 credit hours
- Technical Electives - 9 credit hours

Faculty

Brandon Buerge (PhD, Washington University). Aerodynamics, design, and airships.

Animesh Chakravarthy (PhD, Massachusetts Institute of Technology). Flight dynamics and controls.

Atri Dutta (PhD, Georgia Institute of Technology). Astronautics and dynamics & control.

Klaus A. Hoffmann (PhD, University of Texas at Austin). Computational fluid dynamics, aerothermodynamics, and

Walter J. Horn (PhD, University of Texas at Austin). Solid mechanics, structures, composites, aeroelasticity.

Linda Kliment (PhD, Wichita State University). Aerodynamics.

L. Scott Miller, Chairman (PhD, Texas A&M University). Experimental aerodynamics, laser velocimetry, airfoil and aircraft design, rotor aerodynamics.

Roy Y. Myose (PhD, University of Southern California). Experimental aerodynamics and structures, propulsion, astronautics.

Michael Papadakis (PhD, Wichita State University). Computational, experimental, and theoretical aerodynamics.

K. Suresh Raju (PhD, Wichita State University). Aircraft structures and solid mechanics.

Syed Raza (MS, Air Force Institute of Technology). Aerodynamics and wind energy.

Kamran Rokhsaz (PhD, University of Missouri-Rolla). Theoretical and applied aerodynamics, design, flight mechanics.

Elizabeth Rollins (PhD, Texas A&M University). Flight dynamics and controls and aerodynamics.

James E. Steck (PhD, University of Missouri-Rolla). Flight dynamics and controls, neural networks, acoustics.

John Tomblin, Executive Director-NIAR (PhD, West Virginia University). Solid mechanics, structures, composites.

Anthony Vizzini, Professor (PhD, Massachusetts Institute of Technology). Vice President for Academic Affairs.

Structures.

Charles Yang (PhD, Louisiana State University). Composites and machine design.

Notice of Nondiscrimination: Wichita State University does not discriminate on the basis of race, religion, color, national origin, gender, age, marital status, sexual orientation, status as a Vietnam-era veteran or disability. Any person having inquiries concerning this may contact the Office of Equal Employment Opportunity, Wichita State University, 1845 Fairmount, Wichita, KS 67260-0145; telephone (316) 978-3001. The university reserves the right to revise or change rules, charges, fees schedules, courses, requirements for degrees and any other regulations affecting students whenever considered necessary or desirable.

For more information on Aerospace Engineering at WSU visit wichita.edu/aerospace or call (316) 978-3410.

ANTHROPOLOGY

As technology decreases distances and increases the speed and volume of communication, the world's societies are linked in networks of economic and political interdependence. An awareness of the importance of other people's values and assumptions—and the ability to understand and deal with them—is essential to success in the world system. Similarly, the growing nonscientific debate over issues of human variation and biological evolution requires the continued identification of what is and isn't science in the investigation of human biological history, origins and diversity as inferred from observations of human variation and from the fossil record.

Anthropology is the study of human beings and human societies, and human diversity, history and origins. It adopts a cross-cultural and holistic orientation and provides a perspective for recognizing and understanding the interrelationships among the economic and social organizations, political structure, religious and medical beliefs, world view, ethical systems, and personality dispositions and biological diversity in society.

As an anthropology student at Wichita State University, you will have access to the department's Lowell D. Holmes Museum of Anthropology and the library and student reading facility. You will also be able to use research laboratories in archaeology and biological anthropology (including, but not limited to Mesoamerica, North American Great Plains, Human osteology and Zoo archaeology). Biological Anthropology facilities also include "Skeleton Acres" an 8 acre research facility for forensic anthropological research and studies. As a student, you will also engage in archaeological, biological and cultural/ethnographic field studies and lithic and ceramic, human osteological, and faunal laboratory studies. The department provides students with opportunities to learn and apply GIS to research in data collection, management, mapping and interpretation in all areas of the discipline. You may also earn an opportunity to participate in faculty research projects in all branches of the discipline. As an anthropology major, you may obtain pre-professional training in various programs through Wichita State University's Cooperative Education and Work-Based Learning program, and you may participate in certification programs on forensic criminology and Great Plains studies.

Graduates of WSU's anthropology program have a great placement record. Graduates find government jobs in public health, social services, foreign service, Native American affairs, archaeological research, environmental protection, museums and crime scene investigation. Graduates with combined degrees in anthropology and teacher education may find jobs in the private and public schools. In addition, graduates find careers in international business, personnel management, cultural resource management, environmental impact research and in various technical fields related to anthropology. A growing number of medical and law schools recognize the value of anthropological training as a background for professional training.

WSU's anthropology program offers opportunities and courses leading to bachelors and master's degrees with varied concentrations within the discipline:

- General anthropology provides an overview of the discipline, often as preparation for graduate study
- Archaeology concentrates on the study of the prehistory of all world cultures with a focus on Mesoamerica, North America and the Great Plains regions
- Biological anthropology addresses the scientific investigation, human biological variation, genetics, osteology, skeletal biology, human origin and evolution, and nonhuman primates
- Cultural anthropology focuses on societies around the world, including ethnic minorities in American society
- Forensic anthropology emphasizes research and applicational human skeletal variation to the identification of human skeletal remains in medicolegal investigation
- Medical anthropology examines the relationship between culture and health and illness, and on delivery of health care across cultural and ethnic boundaries
- The program also provides courses training students in the preparation and maintenance of museum collections and the development of museum exhibitions.

Admission

When you choose to study anthropology, you will be admitted to the Fairmount College of Liberal Arts and Sciences. You will be assigned a faculty advisor in the anthropology department who will help you develop your program of study.

If you are still deciding on a major when you start at Wichita State, the Liberal Arts and Sciences Advising Center can help you explore career and major options.

Related Opportunities

As an anthropology student, you may participate in the Anthropology Club or the Archaeological Association of South Central Kansas. You should contact the department to find out if you are eligible to join the founding chapter of national anthropology honors society Lambda Alpha, and discuss with the organization's faculty adviser your possible participation in the production of a national student journal. You also may qualify to work in the Lowell D. Holmes Museum of Anthropology and in the various research laboratories. You may also participate in local and regional professional meetings such as the annual Lambda Alpha Honors Society student symposium, the Midwest Bioarchaeology and Forensic Anthropology conference, the conferences of the Central States Anthropological Society and the Plains Anthropological Society, and the Pecos and the Flint Hills conferences. If eligible, you may be selected for University academic honor societies such as Omicron Delta Kappa, Phi Kappa Phi and Mortar Board.

General Education Program Requirements

The General Education Program is an integral component of every degree at Wichita State University. The goals of the General Education program are:

- To study and apply mathematical principles
- To study and apply principles of written and oral communication
- To study and apply basic library research skills including basic assessment of various kinds of sources
- To study the natural sciences, social and behavioral sciences, humanities and fine arts in order to understand how scholars in those fields work
- To study human diversity and its implications for society on a global basis

Successful completion of the General Education Program and LAS College requirements provides knowledge and skills leading to life-long learning in an ever-changing global world.

When you enter the university, you will work with an academic advisor to select general education courses for your major and your degree choice.

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Major Requirements

Students must complete successfully: Anthr 101 (3), 102 (3), 103 (3) and 647 (3) = 12 credits. Student must successfully complete at least one course (3) from each category (A, B, and C) = nine credits:

A: Archaeology

- Anthr 305 World Archaeology
- Anthr 313 Archaeology of East Asia
- Anthr 335 Archaeology of North America
- Anthr 508 Ancient Civilization of the Americas
- Anthr 538 Early Man in the New World
- Anthr 611 Southwestern Archaeology
- Anthr 612 Indians of the Great Plains
- Anthr 613 Archaeology of the Great Plains

B: Biological Anthropology

- Anthr 356 Human Variation and Adaptation
- Anthr 555 Paleoanthropology
- Anthr 557 Human Osteology
- Anthr 597R Dental Anthropology
- Anthr 600 Forensic Anthropology

C: Cultural Anthropology

- Anthr 303 World Culture
- Anthr 307 Peoples of Africa
- Anthr 312 Asia Pacific Cultures
- Anthr 318 Psychological Anthropology
- Anthr 327 Magic, Witchcraft and Religion
- Anthr 344 Ecological Anthropology
- Anthr 388 Cognitive Anthropology
- Anthr 506 Peoples of the Pacific
- Anthr 511 Indians of North America
- Anthr 515 China
- Anthr 516 Japan
- Anthr 522 Art and Culture
- Anthr 526 Medical Anthropology
- Anthr 528 The Indians of the United States
- Anthr 540 Gender and Culture
- Anthr 542 Women in Other Cultures

Students need an additional nine credits from the anthropology courses listed in the undergraduate catalog to complete the major. Departmental consent is required to award credit toward the anthropology degree from a list of approved courses from related departments such as biological sciences, geology, history, religion, and art history.

*Some of the courses listed in Major Requirements will count toward the LAS General Education Requirements.

For more information on Anthropology at WSU visit wichita.edu/anthropology or call (316) 978-3195.

ART, DESIGN & CREATIVE INDUSTRIES

YOU'RE ALREADY AN ARTIST. WE'LL SHOW YOU HOW TO BE A PROFESSIONAL.

In the School of Art, Design and Creative Industries at Wichita State University, we'll transform the creative energy you already have into a dynamic career in the world of contemporary art and design. Whether it's designing the latest app for a global client or learning how to inspire our next generation of creative practitioners, we empower your creative and professional ambitions with our Bachelor's degrees in **ART EDUCATION, ART HISTORY, GRAPHIC DESIGN AND STUDIO ART**, AS WELL AS AN INTERDISCIPLINARY **MASTER OF FINE ARTS DEGREE IN STUDIO ART**. CURRENT AREAS OF EMPHASIS IN STUDIO ART INCLUDE: **APPLIED DRAWING, CERAMICS MEDIA, COMMUNITY & SOCIAL PRACTICE, ELECTRONIC MEDIA, PAINTING, PHOTO MEDIA, PRINT MEDIA, AND SCULPTURE MEDIA**. All of our cutting-edge degree programs blend classroom learning and practical experience for a contemporary creative education unlike anything else in Kansas.

Students enrolling in the School of Art, Design and Creative Industries will see that we do things differently. We offer QuickFire and SlowBurn classes that let you maximize and diversify your arts education. QuickFire classes are 1 credit hour, designed to be responsive, project-based classes that allow for focused, fast-paced exploration. SlowBurn classes are 6 credit hours – spanning Fall and Spring semesters – giving you hands-on involvement with a range of projects and arts endeavors that you can put on your resume. Our 3 credit hour classes cover a wide range of contemporary topics in art, design, art history, and art education.

FOR MORE INFORMATION

To receive more information or to arrange a campus visit, contact:

**Marcus Welcome Center
Office of Admissions
1845 Fairmount
Wichita, KS 67260-0124**

**wichita.edu/admissions
(316) 978-3085**

Make a lasting impact in the arts through our partnerships with museums, galleries, cultural institutions, local businesses and community organizations. These professional opportunities for creative collaboration and personal growth are a part of our innovative curriculum – and so is international travel! Students in the School of Art, Design and Creative Industries have taken their ideas on the road (and in the air!) – traveling to **MEXICO, PERU, BRAZIL, CUBA, TAIWAN, SINGAPORE, JAPAN, CYPRUS, TURKEY, ITALY, ENGLAND, IRELAND AND MORE!** Through active engagement with creative ventures at home and abroad, Wichita State University gives you the experiences you'll need to be an engaged local and global citizen.

Thrive in an environment where innovation and creative risk-taking set the standard of what you do. Want to try your ideas on for size? **PROJECTSPACE, PRINTSPACE, AND CLAYTON STAPLES GALLERY IN MCKNIGHT ART CENTER** are experimental exhibition environments where students and visiting artists alike can brainstorm, collaborate, express and critique. **SHIFTSPACE**, our premier urban art space located in Wichita's Commerce Street Arts District, is dedicated to exploring the newest frontiers of contemporary art and design.

Our ongoing collaboration with the Ulrich Museum of Art also means that you will interact with some of the best art of our time, and leave our program as an innovative arts professional ready to stake your claim in the contemporary art and design world.

MAKE ART AND DESIGN YOUR BUSINESS AT WSU SCHOOL OF ART, DESIGN AND CREATIVE INDUSTRIES.

TO LEARN MORE ABOUT THE SCHOOL OF ART, DESIGN AND CREATIVE INDUSTRIES, VISIT:

wichita.edu/SADCI

Current scholarship information can be found at:

wichita.edu/artdesignscholarships

Please contact the SADCI Main Office at:

(316) 978-3555 or sadci@wichita.edu

➔ FACULTY ➔

- TED ADLER** (MFA, Ohio University)
Ceramics Media, Graduate Studies
- BARRY BADGETT** (MFA, Syracuse University)
Sculpture Media, 3-D Design, Graduate Studies
- JAMES BREWER** (MFA, Wichita State University)
Sculpture Media, Graduate Studies
- ROBERT BUBP** (MFA, Georgia State University)
Painting, Applied Drawing, Design, Installation Art, Graduate Studies
- MARY SUE FOSTER** (MFA, University of Kansas)
Art Education, Fiber Design, Graduate Studies
- JAMES HELLMAN** (MA, Wichita State University, MFA, Kansas State University)
Graphic Design, Computer Theory
- KIRSTEN JOHNSON** (MFA, Indiana University)
Graphic Design, Illustration, Book Arts
- BRITTANY LOCKARD** (PhD, University of Kansas)
Art History and Creative Industries, Graduate Studies
- WYATT MCCREA** (MFA, Wichita State University)
Art Education, Jewelry Design
- CLAUDIA PEDERSON** (PhD, Cornell University)
Art History in New Media and Technology, Graduate Studies
- JEFF PULASKI** (MFA, Kansas State University)
Graphic Design, Web Design
- JENNIFER RAY** (MFA, Columbia College)
Photo Media, Graduate Studies
- HUMBERTO SAENZ** (MFA, University of Dallas)
Print Media, Graduate Studies
- LARRY SCHWARM** (MFA, University of Kansas)
Distinguished Professor of Photo Media, Graduate Studies
- ROYCE W. SMITH** (PhD, University of Queensland)
Contemporary/Global Art History, Graduate Studies, Director of the School of Art, Design and Creative Industries
- LEVENTE SULYOK** (MFA, Rhode Island School of Design)
Painting, Applied Drawing, Graduate Studies

➔ FOUNDATION CURRICULUM ➔

FIRST SEMESTER: 15 CREDIT HOURS

General Education Foundation course (ENGL 101, COMM 111, MATH 111, 121, 131, ENGL 102)

General Education Fine Arts Introductory course

General Education Introductory course

Select two:

ARTF 102, Introduction to Art & Design

ARTF 136, Foundation 2D Design

ARTF 145, Foundation Drawing

ARTF 189, Foundation 3D

SECOND SEMESTER: 15 CREDIT HOURS

General Education Foundation course (ENGL 101, COMM 111, MATH 111, 121, 131, ENGL 102)

General Education Introductory course

Select remaining two:

ARTF 102, Introduction to Art & Design

ARTF 136, Foundation 2D Design

ARTF 145, Foundation Drawing

ARTF 189, Foundation 3D

Select one:

Art Distribution 2D Elective (Introductory course in drawing, painting, printmaking, or photography)

Art Distribution Design Elective (Introductory course in computer graphics or typography)

Art Distribution 3D Elective (Introductory course in ceramics or sculpture)

THIRD SEMESTER: 15 CREDIT HOURS

General Education Foundation course (ENGL 101, COMM 111, MATH 111, 121, 131, ENGL 102)

General Education Introductory course

ARTH 121, Introduction to Visual and Material Culture

Select second Art Distribution Elective

Beginning course in art major

FOURTH SEMESTER: 16 CREDIT HOURS

General Education Foundation course (ENGL 101, COMM 111, MATH 111, 121, 131, ENGL 102)

General Education Introductory course

Select third Art Distribution Elective

ARTH 122, Introduction to Visual and Material Culture

ARTF 202 Mid Program Review

FIFTH SEMESTER ADVANCEMENT REQUIREMENTS:

1. Completed all courses in the Foundation program
2. Completed 9 credit hours of Art Distribution Electives
3. Both Art History survey courses
4. Completed 4 General Education Introductory courses
5. Pass Mid Program Review

Completing these requirements and passing Mid Program Review mean that students are accepted to their chosen major.

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EARLY CHILDHOOD UNIFIED

The field of teaching is one of our country's most important social service professions. When you have earned the Bachelor of Arts in Education degree from Wichita State University, you'll have gained the credentials for teaching children - birth through through sixth grade - in Kansas schools with a special education emphasis in birth-grade 3. With minor modifications, one is eligible for licensure in other states. The degree provides a balance of general education, general professional education, specific knowledge related to elementary education (K-6) and early childhood/special education (birth through grade 3), comprehensive training in methods of curriculum development, instructional strategies and specialized interventions, design of the learning environments, assessment and working in collaboration with educational professionals and parents.

Wichita State's College of Education has more than 60 faculty members who work closely with you, maintain cooperative relationships with area school districts, early childhood programs and remain active in their professional and research activities. Several have received university teaching awards and some have been recognized as leaders in their fields by professional

Wichita State University students are provided with a variety of schools where they observe, work through cooperative education placements, and finalize their training through student-teaching.

Admission to the Professional Courses

To be admitted to the professional courses, you will need to do the following:

1. 35 hours of general education with the following:

- English Composition I (C- or better)
- English Composition II (C- or better)
- Basic Public Speaking (C- or better)
- College Algebra or higher level math (C or better)

2. General Psychology

3. Elementary Statistics

4. Standardized Tests

PPST

- Writing (172 or higher)
- Reading (173 or higher)
- Mathematics (172 or higher)

OR

ACT

- Reading (22 or higher)
- English (22 or higher)
- Mathematics (22 or higher)

OR

CAAP

- Writing (55 or higher)
- Reading (56 or higher)
- Mathematics (53 or higher)

OR

CBASE

- Reading (235 or higher)
- Writing (235 or higher)
- Mathematics (235 or higher)
- Social Studies (235 or higher)
- Science (235 or higher)

5. Introduction to Teaching Profession and Field Experience (B- or better)

6. Grade Point Average (GPA)

➤ Overall GPA 2.5

➤ WSU GPA 2.5

➤ 35 hours of general education GPA 2.75

7. A signed Attestation of Eligibility

8. A signed Grounds for Dismissal Policy

9. Background screening beginning August 1 (*pending approval*)

College of Education

The College of Education is accredited by all appropriate agencies, including the Kansas Board of Education and the National Council for the Accreditation of Teaching Education. Transfer students are strongly encouraged to contact the Education Support Services (ESS) at (316) 978-3300.

For additional information about the College of Education, visit www.wichita.edu/education.

For more information

If you have further questions or would like to schedule a campus visit, please contact the Office of Admissions.

Marcus Welcome Center

Office of Admissions

1845 Fairmount

Wichita, KS 67260-0124

(316) 978-3085

wichita.edu/admissions

Bachelor of Arts Degree: Early Childhood Unified

General Education Requirements

Basic Skills (12 hours minimum)

Must be completed in the first 48 college hours and a C- or better. ACT/AP/CLEP/CRE/equivalent courses or courses requiring the basic skills course as a prerequisite may be substituted for basic skills courses.

- ⇒ College English Composition (Eng. 100 or 101 and 102) - 6 credit hours
- ⇒ Public Speaking (Communication 111) - 3 credit hours
- ⇒ College Algebra (Mathematics 111) - 3 credit hours

Fine Arts and Humanities (12 hours minimum)

- ⇒ One introductory course from a fine arts discipline - 3 credit hours
- ⇒ Two introductory courses in two different humanities disciplines. One must be U.S. History - 6 credit hours
- ⇒ Plus, a further study course from the same discipline as one of the introductory courses or an issues and perspective course in fine arts or humanities - 3 credit hours

Social and Behavioral Sciences (9 hours minimum)

- ⇒ Two introductory courses in two different social and behavioral science disciplines. One must be General Psychology - 6 credit hours
- ⇒ Plus, a further study course from the same discipline as one of the introductory courses or an issues and perspectives course in the social and behavioral sciences. - 3 credit hours

Mathematics and Natural Sciences (9 hours minimum)

- ⇒ Two introductory courses: A Life Science and Statistics - 6 credit hours
- ⇒ Plus, a further study course from the same discipline as one of the introductory courses or an issues and perspectives course in mathematics and natural sciences. - 3 credit hours

Professional Education and Elementary and ECU Courses

- ⇒ Introduction to Profession - 3 credit hours
- ⇒ MusEd 351 Music Methods - 2 credit hours
- ⇒ Art Ed 311 Art Ed in Elementary - 2 credit hours
- ⇒ CI 317 Literacy Strategies in the Content Area - 2 credit hours
- ⇒ CI 519 Mathematical Investigations - 3 credit hours
- ⇒ CI 427 History, Philosophy, & Ethics of Education - 3 credit hours
- ⇒ CI 324 Linguistics for Elementary Teachers - 3 credit hours
- ⇒ HPS 425 Methods of PE - 2 credit hours
- ⇒ Math 501 Elem. Mathematics - 5 credit hours
- ⇒ CI 750A Physical Science in Classroom - 4 credit hours
- ⇒ Teacher Education Admission Needed

Core I (Intro to Diversity)

- ⇒ CESP 334 Human Development - 2 credit hours
- ⇒ CI 321 Cultural Issues - 2 credit hours
- ⇒ CI 320 Exceptionalities - 2 credit hours
- ⇒ CI 311 Field Experience - 1 credit hour
- ⇒ CI 323 Technology Seminar in Elem. Ed. - 1 credit hour

Core IIa

- ⇒ CESP 334 Intro to Learning & Evaluation - 3 credit hours
- ⇒ CI 402E Instructional Strategies, Assessment & Mgmt: Elementary Teaching Early Literacy (K-2) - 3 credit hours
- ⇒ CI 402J Instructional Strategies, Assessment & Management: Elementary Social Studies - 4 credit hours
- ⇒ CI 411A Pre-student Teaching Elementary - 2 credit hours

Core IIb

- ⇒ CI 402I Instructional Strategies, Assessment & Management: Elementary Teaching Intermediate Literacy (3-6) - 2 credit hours
- ⇒ CI 402M Instructional Strategies, Assessment & Management: Elementary Mathematics - 3 credit hours
- ⇒ CI 402M Instructional Strategies, Assessment & Management: Elementary Science - 4 credit hours
- ⇒ CI 411B Pre-student Teaching Experience - 2 credit hours

Core III

- ⇒ CI 446 Student Teaching & Classroom Management Seminar: Elementary - 2 credit hours
- ⇒ CI 647a Student Teaching ECU - K-3 - 8 credit hours
- ⇒ CI 647b Student Teaching ECU - Infant/Toddler - 4 credit hours

Licensure Tests

- ⇒ Principles of Learning and Teaching
- ⇒ Praxis II Content Knowledge

ECU - Concentration Courses

- ⇒ CI 603 Foundations of ECU - 2 credit hours
- ⇒ CI 611 Collaboration/Teaming: Families, Prof & Community - 3 credit hours
- ⇒ CI 614 Assessment & Methods: Infants, Toddlers & Families - 3 credit hours
- ⇒ CI 614I Pre-student Teaching: Infants & Toddlers - 2 credit hours
- ⇒ CI 617 Assessment & Methods: Preschool - 3 credit hours
- ⇒ CI 617P Pre-student Teaching: Preschool - 2 credit hours
- ⇒ CI 703 Assessment & Methods: K-3 - 3 credit hours

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For more information on Early Childhood Unified at WSU visit wichita.edu/education or call (316) 978-3300.

PUBLIC HEALTH SCIENCES

To help meet the increasing demand for health care professionals, WSU's College of Health Professions offers undergraduate degrees in Health Science (HS) and Health Services Management and Community Development (HSMCD). Graduates will be well prepared for a variety of health-related careers and graduate programs that work across the spectrum of health care settings. These include but are not limited to acute care medicine, community health, long-term care and many other health-related organizations.

Undergraduate Degrees

Bachelor of Science in Health Science
Bachelor of Science in Health Services Management and Community Development

Minimum Admission Requirements

- Be admitted to WSU
- HSMCD: Complete at least 42 semester hours (including foundation courses)
- HSMCD: Have a cumulative GPA of 2.25 or higher
- Health Science: Have a cumulative GPA of 2.0
- Finish all foundation courses with a "C-" or higher
- HSMCD: Take basic statistics, one oral-communication course beyond COMM 111, Medical Terminology - and HMCD 310: Intro to the U.S. Health Services System

Scholarships and Financial Aid

In addition to the resources available through the WSU Office of Financial Aid, the College of Health Professions offers scholarships specifically for its students. To find out more, and how you can apply, visit wichita.edu/chpscholarships and wichita.edu/financialaid.

General Education Requirements for Both Degrees

Foundation Courses

- Eng 101 English Composition I - 3 credit hours
- Eng 102 English Composition II - 3 credit hours
- Comm 111 Public Speaking - 3 credit hours
- Math 111 College Algebra - 3 credit hours

B.S. in Health Science Courses

Program Mathematics & Natural Science Electives

(select a minimum of 14 hours)

General Education courses below may also be used to meet GEP requirements above.

- Biol 106 The Human Organism - 3 credit hours
- Biol 107 Human Organism Lab - 1 credit hour
- Biol 210 General Biology I - 4 credit hours
- Biol 211 General Biology II - 4 credit hours
- Biol 220 Introduction to Microbiology - 4 credit hours
- **HS 290 or Biol 223 Human Anatomy/Physiology - 5 credit hours
- Biol 330 General Microbiology - 5 credit hours
- **Chem 103 Intro Chemistry - 5 credit hours
- **Chem 211 General Chemistry I - 5 credit hours
- Chem 212 General Chemistry II - 5 credit hours
- Chem 531 Organic Chemistry I - 5 credit hours
- Geol 102 Earth Science/Environ - 4 credit hours
- Geol 111 General Geology - 4 credit hours
- Geol 300 Energy Res/Environ - 3 credit hours
- Phys 111 Intro to Physics - 4 credit hours
- Phys 131 Physics for Health Science - 3 credit hours
- Phys 213 General College Physics I - 5 credit hours
- Phys 214 General College Physics II - 5 credit hours
- Stat 370 Elementary Statistics - 3 credit hours

**Human A&P plus one semester of chemistry are prerequisites for HS 301 and HS 400.

Health Science Core

- HP 303 Medical Terminology - 3 credit hours
- PHIL 327 Bioethics - 3 credit hours
- HMCD 310 U.S. Health Serv Sys - 3 credit hours
- HMCD 325 Intro to Epidem - 3 credit hours
- HMCD 344 Role of Cult in Health - 3 credit hours
- HMCD 356 Health Care Policy and Admin - 3 credit hours

Issues

No more than two courses may be from aging studies.

- HP 330 Cancer: Perspectives and Controversies - 3 credit hours
- HMCD 326 Emerging Health Issues - 3 credit hours
- HMCD 327 Global Health Issues - 3 credit hours
- HMCD 328 Intro to Complementary & Alternative Medicine - 3 credit hours
- HMCD 413 Intro to Social & Behavioral Aspects of PH - 3 credit hours

- AGE 404 Psychology of Aging - 3 credit hours
- AGE 513 Sociology of Aging - 3 credit hours
- AGE 518 Biology of Aging - 3 credit hours
- AGE 560 Aging Network - 3 credit hours

Management/Research

- HMCD 308 Leadership in Self & Society - 3 credit hours
OR
- HMCD 333 Org Behavior & Leadership - 3 credit hours
- HMCD 342 Intro to Financing Health Care - 3 credit hours
- HMCD 428 Health Care Org - 3 credit hours
- HMCD 478 Health Economics - 3 credit hours
- HMCD 622 HR Mgmt in Health Care Org - 3 credit hours
- NSG 325 Intro to Evidence-Based Practice - 2 credit hours

Clinical Sciences

- HS 301 Clinical Pharmacology - 3 credit hours
- HS 331 Prin Diet & Nutrition - 3 credit hours
- HS 400 Pathophysiology - 4 credit hours

Culminating Experience

- HS 480 Professionalism in Health Care - 3 credit hours

Health Science Major Total: 48-49 hours

B.S. in Health Services Management and Community Development Courses

HSMCD Introductory Courses

- HMCD 325 Introduction of Epidemiology - 3 credit hours
- HMCD 330 Community Health and Development - 3 credit hours
- HMCD 308 Leadership in Self & Society - 3 credit hours
OR
- HMCD 333 Org Behavior and Leadership - 3 credit hours
- HMCD 342 Intro to Finance Health Care Serv - 3 credit hours
- HMCD 344 Role of Culture in Health Care - 3 credit hours
- HMCD 356 Health Care Policy & Admin - 3 credit hours

HSMCD Upper-Division Courses

(no more than two courses may be from aging studies)

Select 23-24 hours or 8 additional courses

- HMCD 308 Leadership in Self & Society - 3 credit hours
- HMCD 326 Emerging Health Care Issues of the 21st Century - 3 credit hours
- HMCD 327 Intro to Global Health Issues- 3 credit hours
- HMCD 328 Intro to Alternative and Complementary Medicine - 3 credit hours

- HMCD 333 Org Behavior and Leadership- 3 credit hours
- HMCD 413 Intro to Social and Behavioral Aspects of PH - 3 credit hours
- HMCD 428 Health Care Organization - 3 credit hours
- HMCD 478 Health Economics - 3 credit hours
- HMCD 621 Supervisory Mgmt in Health Care Organizations - 3 credit hours
- HMCD 622 HR Mgmt in Health Care Organizations - 3 credit hours
- HMCD 624 Community Development Methods - 3 credit hours
- HMCD 625 Special Topics on Health Services - 3 credit hours
- HMCD 644 Program Planning and Evaluation- 3 credit hours
- HMCD 648 Concepts of Quality in Health Care - 3 credit hours
- Phil 327 Bioethics - 3 credit hours
- AGE 404 Psychology of Aging - 3 credit hours
- AGE 512 Diversity and Aging - 3 credit hours
- AGE 513 Sociology of Aging - 3 credit hours
- AGE 515 Women and Aging - 3 credit hours
- AGE 516 Age, Work and Retirement - 3 credit hours
- AGE 518 Biology of Aging - 3 credit hours
- AGE 525 Death and Dying - 3 credit hours
- AGE 527 Sexuality and Aging - 3 credit hours
- AGE 560 Aging Network Seminar - 3 credit hours
- AGE 622 Public Health and Aging - 3 credit hours
- AGE 710 Systems in Long Term Care - 3 credit hours
- AGE 765 The Medicare System - 3 credit hours
- HMCD 625I Evidenced Based Practice - 2 credit hours
- HMCD 460 Required Practicum - 3 credit hours
- HMCD 470 Required Capstone - 3 credit hours

HSMCD Major Total: 48 hours

A minor in HSMCD is also available to any student outside the program major, which consists of the program's common core coursework.

Students must meet all Wichita State University general education and graduation requirements per the university catalog for the baccalaureate degree.

Contact Information

For more information about the health science programs at WSU, call (316) 978-3304 or email phs@wichita.edu. You can also visit us online at wichita.edu/phs.

To schedule a campus visit or contact the Office of Admissions, visit wichita.edu/campusvisit or call (316) 978-3085.

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For more information on health sciences at WSU visit wichita.edu/phs or call (316) 978-5650.

MANAGEMENT

Wichita State University is located in the largest economic and cultural center in the state of Kansas. Because of the location, the W. Frank Barton School of Business utilizes relationships with local, national and international companies to provide real-world experiences. Some companies who have partnered with the Barton School of Business include: Allen, Gibbs & Houlik LC; Grant Thornton; Dean and Deluca; Koch Industries Inc.; Spirit AeroSystems Inc.; The Coleman Company; Cargill; and CID Group in China.

All business students are encouraged to take advantage of the following opportunities available: Cooperative Education, Internships, Career Network Experience, Community Organizations, Student Groups, National Student Exchange, and Study Abroad. The Barton School of Business currently has study abroad exchange programs in Austria, Germany, Sweden, France, Mexico, China, Taiwan, and Japan with many classes taught in English.

The W. Frank Barton School of Business is committed to excellence in teaching, research and publication. The faculty represents diverse interests, certifications, and backgrounds. The faculty members publish regularly in a variety of top business journals, and have also written several business textbooks. Faculty members have received or been nominated for numerous awards for teaching, such as the WSU Regents Teaching Award, the WSU Board of Trustees in Excellence in Teaching Award, and the Academy for Effective Teaching Award.

The Barton School is accredited by The Association to Advance Collegiate Schools of Business (AACSB International). AACSB Accreditation is the longest standing and most recognized professional accreditation in the world. The Barton School of Business maintains the highest level of accreditation by having all business and accounting programs at all levels (undergraduate and graduate) being accredited.

Less than 5 percent of the world's business schools have earned AACSB Accreditation. Fewer than 190 institutions worldwide have earned the specialized AACSB Accreditation for Accounting.

The scholarship program annually commits over a quarter million dollars to students in all areas of business. Scholarships range from \$250 to the \$44,000 Clay Barton Scholarship.

Management at WSU

Management involves coordinating a group of people to accomplish a goal. The Management program at WSU focuses on the human interaction within an organization. You will take courses in leadership, motivation, organizational development and design, group dynamics, communication and decision-making.

Management also includes planning, organizing, controlling and directing resources efficiently to enhance organizational effectiveness and productivity. You can specialize in a specific management field through minors such as human resource management, management information systems, operations management, international business and entrepreneurship.

Admission

When you choose to major in Management, you are admitted to the W. Frank Barton School of Business. An academic advisor from the Business Advising Center will help you enroll in an orientation course where you will learn to develop a study plan and specific requirements for degree completion.

Masters Programs

The Barton School of Business also offers four master's degree programs. The Masters of Accountancy (MACC), Masters of Arts in Economics (MA-Econ), Masters of Business Administration (MBA) with four different focus areas, and the Executive Masters of Business Administration (EMBA).

Contact Information

For more information about the Management program at Wichita State, visit wichita.edu/business. To set up a campus visit, go to wichita.edu/campusvisit.

This sheet is an overview of the business major. Many courses have prerequisites and many have minimum grade requirements. Always check with a Business Advisor or your catalog for specifics.

Business Advising Center Clinton Hall, Room 008 (316) 978-3203

General Requirements

- ➔ The Barton School of Business requires that at least 50% of business courses be completed at WSU.
- ➔ A minimum of 124 credit hours is required for a Bachelor of Business Administration degree.
- ➔ Community college transfer students must complete at least 60 credit hours at a 4-year institution.
- ➔ Courses are 3 credit hours unless otherwise specified. Example (1), (3-5), etc.
- ➔ All majors must have a minimum of twelve unduplicated credit hours; minors a minimum of three unduplicated.

Foundation

- ➔ College English I (ENGL 100 or 101)
- ➔ College English II (ENGL 102)
- ➔ College Algebra (MATH 111 or 112)
- ➔ Public Speaking (COMM 111)

Note: The above must be completed within the first 48 credit hours of college coursework with a grade of C- or better.

Orientation

For incoming freshmen:

- ➔ Becoming a Business Student I (1)
- ➔ Becoming a Business Student II (1)

For transfer and adult students:

- ➔ Transferring to the School of Business (1)

General Education for Business (Mgmt)

- ➔ Introductory Logic (PHIL 125)
- ➔ General Psychology (PSY 111)

OR

- ➔ Intro. to Sociology (SOC 111)
- ➔ Fine Arts introductory course
- ➔ Humanities intro. course outside of philosophy
- ➔ Intro. course from BIO, CHEM, GEOL, or PHYS
- ➔ Business Ethics (PHIL 306) ***

Advanced Standing

- ➔ Business Calculus (MATH 144) *
OR
- ➔ Calculus (MATH 242) * (5)
- ➔ Introductory Business Statistics (ECON 231)
- ➔ Statistical Software Apps for Business (ECON 232) (1)
- ➔ Principles of Macroeconomics (ECON 201) *
- ➔ Principles of Microeconomics (ECON 202) **
- ➔ Business Software (BADM 160)
- ➔ Financial Accounting (ACCT 210)
- ➔ Managerial Accounting (ACCT 220)

Business Core

- ➔ Marketing (MKT 300)
- ➔ The Entrepreneurial Experience (ENTR 310)
- ➔ International Business (IB 333) ***
- ➔ Financial Management I (FIN 340)
- ➔ Intro to Production & Operations Management (DS 350)
- ➔ Principles of Management (MGMT 360)
- ➔ Management Information Systems (MIS 395)
- ➔ Legal Environment of Business (BLAW 431)
- ➔ Strategic Management (MGMT 681) capstone course

Management Major

- ➔ Designing Effective Organization
- ➔ Leading & Motivating
- ➔ Building Effective Work Teams
- ➔ Fundamentals of Human Resource Management
- ➔ Three more courses from a selection of upper-division courses in management, human resource management, international business or entrepreneurship areas

Up to three credit hours of Co-op may be used in the Management major.

Related Programs

All business majors share most of the *Advanced Standing and Business Core* requirements. You may choose to double major or minor in other areas of business such as economics, entrepreneurship, finance, human resources management, international business, management, management information systems, marketing, operations management, or personal selling.

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