

COLLEGE OF ENGINEERING, ARCHITECTURE AND TECHNOLOGY

College Administration

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The vision of the College of Engineering, Architecture and Technology (CEAT) is "To be the leading public university in engineering, architecture, and technology that engages diverse students, faculty and staff with industry and government to deliver excellence in advanced learning, leadership, relevant research, and benefits to society."

"Our mission is to provide a diverse population with a quality education in engineering, architecture and technology. Through CEAT, OSU develops ethical leaders who promote economic and community vitality with technical knowledge, innovation, and communication expertise that connects scientific research, professional education, technical assistance and scholarship to industry, the State of Oklahoma, the nation and the world."

The College of Engineering, Architecture and Technology is a community of scholars, innovators and leaders that is transforming our lives. The preparation of professionals that anticipate the needs of a changing world is at the nexus of society, economy, ethics, sustainability and humanity. The College is committed to training professionals that innovate, design and build projects that provide solutions for both the developed and the developing world.

The mission of the College of Engineering, Architecture and Technology (CEAT) is one that embraces students from diverse backgrounds to imagine and discover the challenges of engineering, architecture and technology, and to bring about innovation using their proficiency in science, mathematics, communications, ethics and humanity. This mission is built on the foundation of the University's mission and the expectations of a world class university.

As Oklahoma's land-grant university, CEAT fulfills the most fundamental premise that founded OSU; to promote economic and community viability through technical assistance, academic and professional education, training and communication in the areas of engineering, architecture and technology, and by connecting scientific research and scholarship to industry, communities, and individual citizens in Oklahoma, the region and the world.

As we progress into the future, professionals with a higher education will continue to be largely responsible for shaping our world. The power they exercise is an exciting prospect and presents a sobering responsibility. Less complex problems have been solved and are now a part of history. Many difficult problems remain. The need for talented and highly trained professionals is obvious; one will be embarking on a lifetime of challenge as he or she prepares for a career in engineering, engineering technology or architecture at Oklahoma State University.

The College of Engineering, Architecture and Technology offers a complete spectrum of educational opportunities at both the undergraduate and graduate levels designed to give graduates the capability and flexibility to meet the ever-changing needs of a society that is committed to technological innovation. To make continuing contributions, engineers, architects and technologists must have many abilities at their command. The modern tools and processes of industry must be understood. The processes of design and analysis require a firm understanding of mathematics and the sciences. An effective engineer, architect or engineering technologist must develop sensitivity to human needs, ideas, institutions and cultures. These programs prepare graduates to be effective contributors within human organizations and provide an increased understanding of both the technical and non-technical factors that shape our human environment. With this firm foundation, and a commitment to lifelong learning, College of Engineering, Architecture and Technology graduates are fully prepared to make contributions to society throughout their professional careers.

The curriculum in each program provides the optimum combination of breadth in the enduring fundamentals and specialization in a discipline. Each curriculum sensitizes the student to ethical, social, cultural, and global issues that will shape their ideas and contributions. To equip the student to contribute to solutions at the cutting edge of technology, curricula are continuously evolving to include current applications of the principles. Through the combination of theory, practice and improved sensitivity to diverse issues, graduates will be prepared to support their diverse interests while positively contributing to the advancement of technology and the world.

Academic Programs

Academic programs offered in the College of Engineering, Architecture and Technology culminate in the following degrees:

Schools of Engineering

- Bachelor of Science in Aerospace Engineering, Biosystems Engineering with options in bioprocessing and food processing, environment and natural resources, machine systems and agricultural engineering, and premedical; Chemical Engineering with options in biomedical/biochemical and premedical; Civil Engineering with an option in environmental; Computer Engineering; Electrical Engineering; Industrial Engineering and Management; and Mechanical Engineering with options in premedical or petroleum.
- Master of Science in Biosystems Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering with options in Control Systems and Optics and Photonics, Engineering and Technology Management, Environmental Engineering, Industrial Engineering and Management, Materials Science and Engineering, Mechanical and Aerospace Engineering with an option of Unmanned Aerial Systems and Petroleum engineering.
- Master of Engineering in Electrical Engineering.
- Doctor of Philosophy in Biosystems Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Industrial

Engineering and Management, Materials Science and Engineering, and Mechanical and Aerospace Engineering.

School of Architecture

- Bachelor of Architecture, Bachelor of Architectural Engineering.
- Graduate Certificate in Integrative Design of Building Envelope.

Division of Engineering Technology

- Bachelor of Science in Engineering Technology in Construction Engineering Technology with options in building and heavy, Electrical Engineering Technology with a computer option, Fire Protection and Safety Engineering Technology, and Mechanical Engineering Technology.
- Master of Science in Engineering Technology with an option in Fire Safety and Explosion Protection.

Accreditation

Undergraduate engineering programs are separately accredited by the Engineering Accreditation Commission of the ABET, <http://www.abet.org>.

The Bachelor of Architecture program is accredited by the National Architectural Accrediting Board, Inc., <http://www.naab.org/>.

The undergraduate engineering technology programs are separately accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.

High School Preparation

In addition to the curricular requirements for admission specified by OSU, the College of Engineering, Architecture and Technology strongly recommends that students have a fourth year of mathematics and an additional year of laboratory science.

Initial placement in OSU mathematics courses is by placement examination to ensure that each student will be challenged, but has the preparation to be successful in the first mathematics course. Placement in science courses is based on prior preparation in the science and completion of or placement beyond prerequisite mathematics courses. When appropriate, a student with an exceptionally strong background can obtain academic credit by advanced standing examination or by College Level Examination Program (CLEP) tests.

Enrolling in the College of Engineering, Architecture, and Technology

A freshman student who has been admitted to OSU can be enrolled directly into a CEAT pre-professional degree program if the student has both of the following performance requirements:

1. an ACT Composite score of 24 or higher, or a total SAT score of 1090 or higher, or a SAT R score of 1160 or higher, and
2. an ACT MATH score of 24 or higher, or a SAT Math score of 560 or higher, or a SAT-R Math score of 600 or higher, OR achieve a GPA of 3.5 or higher (on a 4.00 grading scale standard weighting (1.0) to The College Board's Advanced Placement courses and the International Baccalaureate higher-level courses) in the required 15 core high school courses.

SAT total score is the combination of Critical Reading and Math sections only. SAT-R scores indicated here represent tests taken on or after the National March 2016 test.

Prospective engineering, architecture or technology students who do not meet these performance qualifications may enroll in any other college or

may enroll in University College in the Pre-CEAT program and work with a CEAT-focused adviser to gain the academic background for enrollment in CEAT pre-professional degree programs. That student will be enrolled in a CEAT pre-professional degree program when he/she has met the following performance requirements:

1. passed all prerequisite MATH courses needed to enroll in Calculus I or Technology Calculus I, and
2. has an OSU Cumulative GPA of at least 2.5.

Transfer students can enroll directly into a CEAT pre-professional degree program if they satisfy all OSU resident transfer student requirements, have a GPA of at least 2.5, and are qualified to enroll in Calculus I or higher in the MATH sequence. Other transfer students may enroll in University College in the Pre-CEAT program until they meet the qualifications for enrolling in a CEAT pre-professional program.

Students transferring to CEAT pre-professional school from another major at OSU must meet the same requirements for admission as a student transferring from another college or university.

International student applications must be received by June 15, November 1 or April 1 for the fall, spring and summer terms, respectively, to be considered for admission to pre-professional school.

Special College Programs

CEAT Living/ Learning Program. CEAT residential floors have been established in Parker Hall and Allen Hall for both male and female CEAT students. Parker Hall is reserved for CEAT Freshman and Allen Hall is reserved for CEAT sophomores and upperclassmen. Living/ Learning Programs provide an atmosphere that is conducive to study. The students experience a community where they can work together, have access to tutoring and other services, and serve as role models for other students. Special activities are planned for the floors, including events with faculty and other leaders. They are highly recommended for student success in CEAT.

CEAT Summer Bridge is a two-week residential, on campus, preparatory program for incoming freshmen students who have been accepted to Oklahoma State University and who plan to study a major in CEAT. This program is designed to guide students as they transition from high school to the academic rigors of CEAT coursework through academic review, mock exams, orientation seminars and engineering design projects. In addition, the students will build relationships with peers, faculty and staff, and start the process of building strong study habits with the assistance of CEAT upperclassmen as mentors. <https://studentservices.okstate.edu/summer-bridge-program>

The **Discover Architecture Program** introduces high school students to Architecture, Architectural Engineering, Landscape Architecture, and Construction Science and Management. This week-long summer program has academic projects that are designed to stimulate creativity and be fun! Participants live in campus housing, and complete projects that include the application of sketching and designing in model, using computer presentation tools, and several hands-on building projects to help students understand if a career in the building arts might be right for them. The program is offered by Oklahoma State University faculty at the Stillwater campus for students who are at least 16 years of age. <http://arch-ceat.okstate.edu/discover-architecture>

The **Pre-CEAT Program** is housed within University College but located in CEAT. This program provides a focused adviser, tutoring and other activities to help students get academically ready for success in CEAT.

CEAT Scholars Program provides educational experiences for a select group of students to develop and enhance their technical competence, world view, professional and public responsibility, and leadership skills. Based on demonstrated academic and leadership potential, up to 100 scholars are selected each year, by application and interview, to enter this four-year program. Students participate in special lectures, regional tours, cultural events, seminars, personal development activities, faculty mentoring, and summer tours in the U.S. and abroad. <https://ceat.okstate.edu/ceat-scholars-program>

CEAT Freshman Research Scholars Program provides opportunities for accelerated intellectual development of a select group of students. Each student is assigned a research faculty mentor and participates in a research program. The initial assignment is for one year and it may be extended based on student interest, research project continuation and mentor availability. <https://scholardevelopment.okstate.edu/freshman-research-scholars/prospective-freshman-researchers>

WW Allen Scholars Program is designed for top academic students, who also show significant promise in leadership and career ambition. The program is highlighted by the opportunity to pursue a master's degree at the University of Cambridge in the UK following graduation from OSU. <http://ceat.okstate.edu/w-w-allen-scholars-program>

Phillips 66 SHIELD Scholars Program provides scholarships and professional and personal development through enrichment activities, seminars and community service. The program is for current students enrolled full-time in chemical engineering, civil engineering, computer engineering, electrical engineering, fire protection safety engineering technology, industrial engineering, mechanical engineering or materials engineering. <http://ceat.okstate.edu/scholarships>

CEAT Grand Challenge Scholars Programs focus on preparing students to be the generation that solves the grand challenges facing society in this century with emphasis on integrative research, interdisciplinary curriculums, entrepreneurship, global understanding and service learning. <https://ceat.okstate.edu/gcsp>

CEAT Diversity Programs (CDP) provide services to support, retain and graduate all CEAT students which includes underrepresented populations such as Native Americans, African Americans, Hispanic/Latino Americans, Women, First-Generation, Non-Traditional, Disabled, Veterans and LGBTQ. All students are welcome to participate, learn and celebrate the value of a diverse CEAT community. <https://studentservices.okstate.edu/diversity>

CEAT Career Services is dedicated to helping students reach their career goals by providing individualized career assistance, specialized workshops, and resources on a variety of topics including: career exploration, job search strategies, resume and job search correspondence preparation, interviewing skills, and salary negotiation. The office also supports the Cooperative Education Program (Co-op) and provides individual career assessments for undergraduate students. As part of the OSU Career Services system, CEAT Career Services works in close partnership with CEAT Student Academic Services to link academic and career success. <http://studentservices.okstate.edu/career> (<http://studentservices.okstate.edu/career>)

CEAT Cooperative Education Program (Co-op) provides an avenue for undergraduate students to complete a year of full-time work experience

directly related to their academic studies. Co-op students alternate terms of major-related employment with terms of full-time course work to achieve a quality education and industry experience. In addition to professional development, participation in the Co-op program earns academic credit and maintains full-time enrollment status for students during the work experience terms. <http://studentservices.okstate.edu/cs/co-op>

CEAT Study Abroad Programs offer students the opportunity to expand their education by traveling and studying outside the United States. Opportunities range from shorter faculty-led programs to semester exchange opportunities.

Departmental Clubs and Honor Societies

Alpha Epsilon (Biosystems and Agricultural Engineering Honor Society)
 Alpha Omega Epsilon (Professional and Social Sorority for Women in Engineering)
 Alpha Pi Mu (Industrial Engineering and Management Honor Society)
 Alpha Rho Chi (Architecture Honor Society)
 Amateur Radio Club - W5YJ
 American Association of Drilling Engineers
 American Indian Science and Engineering Society
 American Institute of Architecture Students
 American Institute of Aeronautics & Astronautics
 American Institute of Chemical Engineers
 American Production and Inventory Control Society
 American Society for Quality
 American Society of Agricultural and Biological Engineers
 American Society of Civil Engineers
 American Society of Heating, Refrigeration and Air Conditioning Engineers
 American Society of Mechanical Engineers
 American Society of Safety Engineers
 Architectural Engineering Institute
 Architecture Students Teaching Elementary Kids (ASTEK)
 CEAT Student Council
 CHEM Kidz
 Chi Epsilon (Civil and Architectural Engineering Honor Society)
 Construction Management Society
 Construction Specifications Institute
 Cowboy Motorsports Quarter Scale Tractor Team
 Engineers Without Borders
 Eta Kappa Nu (Electrical and Computer Engineering Honor Society)
 Fire Protection Society
 Institute for Operations Research and the Management Sciences
 Institute of Electrical and Electronics Engineers (two student branches)
 Institute of Industrial and Systems Engineers
 Institute of Transportation Engineers
 International Fluid Power Society
 International Society for Automation
 National Society of Black Engineers
 Omega Chi Epsilon (Chemical Engineering Honor Society)
 Out in Science, Technology, Engineering, and Mathematics (oSTEM)
 Pi Tau Sigma (Honorary Mechanical Engineering Society)
 Sigma Gamma Tau (Honorary Aerospace Engineering Society)
 Sigma Lambda Chi (Construction Management Technology Honor Society)
 Society of Asian Scientists and Engineers
 Society of Automotive Engineers
 Society of Automotive Engineers Formula Racing Team
 Society of Automotive Engineers Mini-Baja Team

Society of Fire Protection Engineers
 Society of Hispanic Professional Engineers
 Society of Petroleum Engineers
 Society of Manufacturing Engineers
 Society of Women Engineers
 Student Association of Fire Investigators
 Student Firefighter Combat Challenge Team
 Tau Alpha Pi (Technology Student's Honor Society)
 Tau Beta Pi (Engineering Student's Honor Society)

CEAT Honors Program

The OSU Honors College provides challenges for undergraduate students of unusually high ability, motivation and initiative. Honors classes, seminars and independent study courses are designed to align students and instructors in a manner that encourages discussion and provides a mature approach to learning.

Each honors course completed with an "A" or "B" grade is identified on the student's transcript as such. A special bachelor's degree honors diploma is conferred upon graduation for successful completion of all OSU Honors College requirements.

Information regarding The Honors College at OSU, and Scholar Development/Leadership Programs can be found on the Honors College tab in the left menu.

Scholarships

Numerous CEAT scholarships are funded through the generosity of alumni, private and corporate donations. Awards are available for undergraduate and graduate students at all levels, and are granted on the basis of academic achievement, campus involvement and leadership potential, as well as financial need. Freshmen and undergraduate transfer students are automatically considered for most CEAT scholarships, based off of the student's eligibility through their OSU application and acceptance to OSU and CEAT, for priority scholarship consideration students should apply and be accepted to CEAT by November 1st. You must be accepted by Feb. 1st for all other scholarship consideration. All CEAT scholarships are awarded on a competitive basis. Some scholarships require additional applications. Details can be found at <http://ceat.okstate.edu/scholarships>.

Current undergraduate (continuing) students should submit applications for general CEAT scholarships online at <http://ceat.okstate.edu/scholarships>.

Computing Requirements

For students in Engineering, Architecture and Technology, the college requires that all students have several basic tools. Students in the College must have a scientific calculator and a laptop computer. The scientific calculator should be capable of computing trigonometric functions, logarithmic and natural logarithmic functions, basic statistical analysis, and all algebraic functions. The laptop requirements are published at <http://ceat-its.okstate.edu>.

Academic Advising

The College's Office of Student Academic Services (<http://studentservices.okstate.edu/>) provides advisement for all CEAT freshman students except for BAE students who are advised in their academic department. Other CEAT students will transfer to advisement within their academic unit prior to or at admission to Professional School. University College provides advisement for OSU students who do not meet the qualifications for enrollment in CEAT but wish to

become qualified to enroll in a CEAT degree program in the future. Each student is personally advised in the planning and scheduling of his or her coursework, assisted with the selection of a major, and is counseled and advised individually on matters of career choice, activities at OSU and on other academic matters.

Each CEAT student, and his or her adviser, carefully selects general education, core engineering or architecture, and elective courses to meet the curriculum objectives and accreditation criteria. To assist students in planning and mapping their academic success, an electronic account is created for each student at the time of initial enrollment. Students have access to their personal account, via the STAR System, where they can review their advising materials, degree sheet, flowchart and other documents. The adviser assists the student with academic decisions and works to ensure accuracy and compliance; however, the ultimate responsibility for meeting degree requirements rests with the student.

The College of Engineering, Architecture, and Technology Professional School Concept

Pre-Professional School. In each CEAT pre-professional degree program, lower-division coursework is devoted to preparing the student for professional school. The content of the pre-professional school program is similar for most engineering degree programs and includes English composition and technical coursework devoted to mathematics through calculus and differential equations, general chemistry, general physics, engineering and engineering sciences. Requirements vary for Architecture, and Technology degree programs.

Once a student is admitted into the pre-professional school program, he/she will complete coursework that is typically taken during the first two years of an engineering, architecture, or technology curriculum. Near the completion of this coursework, the student is considered for admission to one of the professional schools of the College to continue in the upper-division program. After satisfying admission standards, the student is then permitted to pursue a curriculum leading to the designated undergraduate degree in his/ her discipline.

Professional School. Upon formal admission to the professional school of his or her choice, the student proceeds through the junior and senior years of the degree program, fulfilling "Major Requirements" as listed in the right column on the degree requirement sheet. Degree requirement sheets can be found on the degree programs page (<http://catalog.okstate.edu/degree-programs>).

Engineering Professional School Admission Requirements

All undergraduate CEAT students must follow the curriculum and requirements for their chosen major, as prescribed on the degree programs page (<http://catalog.okstate.edu/degree-programs>), for their matriculation date, or upon their election, a later annual version of that publication. Students are encouraged to carefully read the program requirements for their chosen major and matriculation date.

To be admitted to one of the professional schools of engineering, the student must:

1. Complete a minimum of 60 credit hours of courses listed on the degree requirement sheet from an accredited institution of higher learning.

2. Complete all required courses noted on the degree requirement sheet.
 3. Earn a grade of "C" or better in technical courses required for the degree and taken prior to admission to professional school. In these courses, meet or exceed the **Technical GPA** requirement listed in the *Departmental GPA Requirements* section below (when applicable).
Note: Technical courses include astronomy, biology, biochemistry, chemistry, geology, engineering (BAE, CHE, CIVE, IEM, ECEN, ENGR, ENSC, MAE), math, physics, statistics, zoology, and any additional science courses listed on the degree requirement sheet.
 4. Complete a minimum of 12 credit hours of courses at OSU Stillwater or Tulsa, required for the degree. In these courses, meet or exceed the **OSU GPA** requirement listed in the *Departmental GPA Requirements* section below (when applicable).
 5. Complete a minimum of 9 credit hours of technical courses at OSU Stillwater or Tulsa, required for the degree. In these courses, meet or exceed the **OSU Technical GPA** (all technical courses required for the degree taken at OSU) listed in the *Departmental GPA Requirements* section below (when applicable).
 6. Earn a final grade of "C" or better in all courses submitted to satisfy the University's English requirement.
 7. Meet any additional requirements for the selected major, as specified below.
 8. Demonstrate an acceptable level of academic competence in subject material comparable to that covered in pre-professional school as defined by the selected professional school below. Such demonstration may be by completion of coursework or by examination with not more than half the requirements satisfied by examination.
 9. Demonstrate an acceptable level of professional potential, including academic integrity and ethical behavior, as determined by the department head.
4. School of Electrical and Computer Engineering:
GPA Requirements for Professional School: Technical GPA-2.70, OSU GPA-2.60, OSU Technical GPA-2.70.
 5. School of Industrial Engineering and Management:
GPA Requirements for Professional School: Technical GPA-2.50, and a grade of "C" or better in each course that is a prerequisite for an IEM course and in all technical pre-professional courses (noted on the degree requirement sheet) whether taken prior to professional school or not.
 6. School of Mechanical and Aerospace Engineering:
GPA Admission Requirements for Professional School: Technical GPA 3.0, OSU GPA 3.0, OSU Technical GPA-3.0.
Admission and degree requirements: a grade of "C" or better in each course that is a prerequisite for an MAE course and in all technical pre-professional courses (noted on the degree requirement sheet) whether taken prior to professional school or not. Minimum GPA requirements for graduation: Overall GPA 2.50 GPA for MAE prefix courses-2.5 GPA for MAE 4000 level courses-2.5. Students may enroll in no more than nine hours of upper-division major requirements prior to admission to professional school unless they secure permission from the head of the school. However, enrollment preference in such courses will be given to students admitted to the professional school.
 7. Refer to the School of Architecture catalog page (<http://catalog.okstate.edu/engineering-architecture-technology/architecture>) for requirements.
 8. Refer to the relevant academic area on the Division of Engineering Technology catalog page (<http://catalog.okstate.edu/engineering-architecture-technology/engineering-technology>) for requirements.

Departmental GPA Requirements

All specified GPAs are calculated based on the last grade earned in repeated courses. The minimum GPA requirements by school, and any additional requirements, are as follows:

1. School of Biosystems and Agricultural Engineering:
GPA Requirements for Professional School: Technical GPA-2.70, OSU GPA-2.70, OSU Technical GPA-2.70 and a grade of "C" or better in each course that is a prerequisite for a major course.
 2. School of Chemical Engineering:
GPA Requirements for Professional School: Technical GPA-2.70, OSU GPA-2.50, OSU Technical GPA-2.70. A final grade of "C" or better must be achieved in the required pre-professional courses (noted on the degree requirement sheet). If a "C" is obtained in ENGL 1113 Composition I or ENGL 1313 Critical Analysis and Writing I, ENGL 1213 Composition II or ENGL 1413 Critical Analysis and Writing II is also required.
 3. School of Civil and Environmental Engineering:
GPA Requirements for Professional School: Technical GPA-2.70, OSU GPA-2.50, OSU Technical GPA-2.70, and a grade of "C" or better in each course that is a prerequisite for a CIVE course and in all required technical pre-professional courses (noted on the degree requirement sheet) whether taken prior to professional school or not. Students may enroll in no more than nine hours of professional school major requirements prior to admission to professional school unless they secure permission from the head of the school. However, enrollment preference in such courses will be given to students admitted to the professional school.
- Biosystems and Agricultural Engineering (<http://catalog.okstate.edu/engineering-architecture-technology/biosystems-agricultural-engineering>)
 - CEAT Dean's Office and CEAT Online Learning (<http://catalog.okstate.edu/engineering-architecture-technology/deans-office-ceat-distance-education>)
 - Chemical Engineering (<http://catalog.okstate.edu/engineering-architecture-technology/chemical-engineering>)
 - Civil and Environmental Engineering (<http://catalog.okstate.edu/engineering-architecture-technology/civil-environmental-engineering>)
 - Construction Engineering Technology (<http://catalog.okstate.edu/engineering-architecture-technology/construction-engineering-technology>)
 - Division of Engineering Technology (<http://catalog.okstate.edu/engineering-architecture-technology/engineering-technology>)
 - Electrical and Computer Engineering (<http://catalog.okstate.edu/engineering-architecture-technology/electrical-computer-engineering>)
 - Electrical Engineering Technology (<http://catalog.okstate.edu/engineering-architecture-technology/electrical-engineering-technology>)
 - Engineering and Technology Management (<http://catalog.okstate.edu/engineering-architecture-technology/engineering-technology-management>)
 - Fire Emergency Management Program (<http://catalog.okstate.edu/engineering-architecture-technology/fire-emergency-management-program>)

- Fire Protection and Safety Engineering Technology (<http://catalog.okstate.edu/engineering-architecture-technology/fire-protection-safety-engineering-technology>)
- Industrial Engineering and Management (<http://catalog.okstate.edu/engineering-architecture-technology/industrial-engineering-management>)
- Materials Science and Engineering (<http://catalog.okstate.edu/engineering-architecture-technology/materials-science-engineering>)
- Mechanical and Aerospace Engineering (<http://catalog.okstate.edu/engineering-architecture-technology/mechanical-aerospace-engineering>)
- Mechanical Engineering Technology (<http://catalog.okstate.edu/engineering-architecture-technology/mechanical-engineering-technology>)
- School of Architecture (<http://catalog.okstate.edu/engineering-architecture-technology/architecture>)
- Chemical Engineering: Pre-Medical, BSCH (<http://catalog.okstate.edu/engineering-architecture-technology/chemical-engineering/pre-medical-bsch>)
- Civil Engineering, BSCV (<http://catalog.okstate.edu/engineering-architecture-technology/civil-environmental-engineering/civil-bscv>)
- Civil Engineering: Environmental, BSCV (<http://catalog.okstate.edu/engineering-architecture-technology/civil-environmental-engineering/civil-engineering-environmental-bscv>)
- Computer Engineering, BSCP (<http://catalog.okstate.edu/engineering-architecture-technology/electrical-computer-engineering/computer-bscp>)
- Construction Engineering Technology: Building, BSET (<http://catalog.okstate.edu/engineering-architecture-technology/construction-engineering-technology/building-bset>)
- Construction Engineering Technology: Heavy, BSET (<http://catalog.okstate.edu/engineering-architecture-technology/construction-engineering-technology/heavy-bset>)
- Electrical Engineering Technology, BSET (<http://catalog.okstate.edu/engineering-architecture-technology/electrical-engineering-technology/bset>)
- Electrical Engineering Technology: Computer, BSET (<http://catalog.okstate.edu/engineering-architecture-technology/electrical-engineering-technology/computer-bset>)
- Electrical Engineering, BSEE (<http://catalog.okstate.edu/engineering-architecture-technology/electrical-computer-engineering/electrical-bsee>)
- Fire Protection and Safety Engineering Technology, BSET (<http://catalog.okstate.edu/engineering-architecture-technology/fire-protection-safety-engineering-technology/bset>)
- Industrial Engineering and Management, BSIE (<http://catalog.okstate.edu/engineering-architecture-technology/industrial-engineering-management/bsie>)
- Mechanical Engineering Technology, BSET (<http://catalog.okstate.edu/engineering-architecture-technology/mechanical-engineering-technology/bset>)
- Mechanical Engineering, BSME (<http://catalog.okstate.edu/engineering-architecture-technology/mechanical-aerospace-engineering/mechanical-bsme>)
- Mechanical Engineering: Petroleum, BSME (<http://catalog.okstate.edu/engineering-architecture-technology/mechanical-aerospace-engineering/mechanical-petroleum-bsme>)
- Mechanical Engineering: Pre-Medical, BSME (<http://catalog.okstate.edu/engineering-architecture-technology/mechanical-aerospace-engineering/mechanical-pre-medical-bsme>)

Undergraduate Programs

- Aerospace Engineering, BSAE (<http://catalog.okstate.edu/engineering-architecture-technology/mechanical-aerospace-engineering/aerospace-engineering-bsae>)
- Architectural Engineering: Construction Project Management, BEN (<http://catalog.okstate.edu/engineering-architecture-technology/architecture/architectural-engineering-construction-project-management-ben>)
- Architectural Engineering: Mechanical, Electrical and Plumbing, BEN (<http://catalog.okstate.edu/engineering-architecture-technology/architecture/architectural-engineering-mechanical-electrical-plumbing-ben>)
- Architecture Engineering: Structures, BEN (<http://catalog.okstate.edu/engineering-architecture-technology/architecture/engineering-structures-ben>)
- Architecture, BAR (<http://catalog.okstate.edu/engineering-architecture-technology/architecture/bar>)
- Biosystems Engineering (General Option), BSBE (<http://catalog.okstate.edu/engineering-architecture-technology/biosystems-agricultural-engineering/biosystems-engineering-general-option-bsbe>)
- Biosystems Engineering: Bioprocessing & Food Processing, BSBE (<http://catalog.okstate.edu/engineering-architecture-technology/biosystems-agricultural-engineering/bioprocessing-food-processing-bsbe>)
- Biosystems Engineering: Environmental and Natural Resources, BSBE (<http://catalog.okstate.edu/engineering-architecture-technology/biosystems-agricultural-engineering/environmental-natural-resources-bsbe>)
- Biosystems Engineering: Machine Systems & Agricultural Engineering, BSBE (<http://catalog.okstate.edu/engineering-architecture-technology/biosystems-agricultural-engineering/machine-systems-agricultural-engineering-bsbe>)
- Biosystems Engineering: Pre-Medical, BSBE (<http://catalog.okstate.edu/engineering-architecture-technology/biosystems-agricultural-engineering/pre-medical-bsbe>)
- Chemical Engineering, BSCH (<http://catalog.okstate.edu/engineering-architecture-technology/chemical-engineering/bsch>)
- Chemical Engineering: Biomedical/Biochemical, BS (<http://catalog.okstate.edu/engineering-architecture-technology/chemical-engineering/biomedical-biochemical-bsch>)

Minors

Undergraduate Minors

Contact the following individuals for additional information related to minors in their academic area.

Architecture

Professor Suzanne Bilbeisi, suzanne.bilbeisi@okstate.edu, 101 AK Donald W Reynolds Bldg, 405-744-9051

Emergency Management

Professor Haley Murphy, haley.c.murphy@okstate.edu, Engineering North 570B, 405-744-5638

Fire Protection & Safety Engineering Technology

Professor Virginia Charter, virginia.charter@okstate.edu, 545 Engineering North 405-744-5721

Petroleum Engineering

Professor Runar Nygaard, runar.nygaard@okstate.edu, 420 Engineering North 405-744-5280

Nuclear Engineering

Professor Randy Seitsinger, randy.seitsinger@okstate.edu, 201 ATRC, 405-744-5140

- Architectural Studies: Architecture and Entrepreneurship (ASAE), Minor (<http://catalog.okstate.edu/engineering-architecture-technology/architecture/architectural-studies-architecture-entrepreneurship-minor>)
- Architectural Studies: History and Theory (ASHT), Minor (<http://catalog.okstate.edu/engineering-architecture-technology/architecture/architectural-studies-history-theory-minor>)
- Emergency Management (EM), Minor (<http://catalog.okstate.edu/engineering-architecture-technology/fire-emergency-management-program/emergency-management-minor>)
- Fire Suppression and Emergency Operations (FSEO), Minor (<http://catalog.okstate.edu/engineering-architecture-technology/fire-protection-safety-engineering-technology/fire-suppression-emergency-operations-minor>)
- Homeland Security Science and Technology (HSST), Minor (<http://catalog.okstate.edu/engineering-architecture-technology/fire-protection-safety-engineering-technology/homeland-security-science-technology-minor>)
- Mechatronic Engineering Technology for EET Students (EETM), Minor (<http://catalog.okstate.edu/engineering-architecture-technology/engineering-technology/mechatronic-engineering-technology-eet-students-minor>)
- Mechatronic Engineering Technology for MET Students (METM), Minor (<http://catalog.okstate.edu/engineering-architecture-technology/engineering-technology/mechatronic-engineering-technology-met-students-minor>)
- Nuclear Engineering (NENG), Minor (<http://catalog.okstate.edu/engineering-architecture-technology/deans-office-ceat-distance-education/nuclear-engineering-minor>)
- Petroleum Engineering (PETE), Minor (<http://catalog.okstate.edu/engineering-architecture-technology/chemical-engineering/petroleum-engineering-minor>)
- Safety and Exposure Sciences (SAES), Minor (<http://catalog.okstate.edu/engineering-architecture-technology/fire-protection-safety-engineering-technology/safety-exposure-sciences-minor>)
- Control Systems, MS (<http://catalog.okstate.edu/engineering-architecture-technology/electrical-computer-engineering/#graduateprogramstext>)
- Electrical Engineering, MS/PhD (<http://catalog.okstate.edu/engineering-architecture-technology/electrical-computer-engineering/#graduateprogramstext>)
- Engineering and Technology Management, MS (<http://catalog.okstate.edu/engineering-architecture-technology/engineering-technology-management>)
- Environmental Engineering, MS (<http://catalog.okstate.edu/engineering-architecture-technology/civil-environmental-engineering/#graduateprogramstext>)
- Fire and Emergency Management Administration, MS/PhD (<http://catalog.okstate.edu/engineering-architecture-technology/fire-emergency-management-program/#graduateprogramstext>)
- Fire Safety and Explosion Protection, MS (<http://catalog.okstate.edu/engineering-architecture-technology/fire-protection-safety-engineering-technology>)
- Industrial Engineering and Management, MS/PhD (<http://catalog.okstate.edu/engineering-architecture-technology/industrial-engineering-management/#graduateprogramstext>)
- Materials Science and Engineering, MS/PhD (<http://catalog.okstate.edu/engineering-architecture-technology/materials-science-engineering/#graduateprogramstext>)
- Mechanical and Aerospace Engineering, MS/PhD (<http://catalog.okstate.edu/engineering-architecture-technology/mechanical-aerospace-engineering/#graduateprogramstext>)
- Optics and Photonics, MS (<http://catalog.okstate.edu/engineering-architecture-technology/electrical-computer-engineering/#graduateprogramstext>)
- Petroleum Engineering, MS (p. 1)
- Unmanned Aerial Systems, MS/PhD (<http://catalog.okstate.edu/engineering-architecture-technology/mechanical-aerospace-engineering/#graduateprogramstext>)

Graduate Programs

- Biosystems Engineering, MS/PhD (<http://catalog.okstate.edu/engineering-architecture-technology/biosystems-agricultural-engineering/#graduateprogramstext>)
- Chemical Engineering, MS/PhD (<http://catalog.okstate.edu/engineering-architecture-technology/chemical-engineering/#graduateprogramstext>)
- Civil Engineering, MS/PhD (<http://catalog.okstate.edu/engineering-architecture-technology/civil-environmental-engineering/#graduateprogramstext>)