

ARCHITECTURE - B.S.

College of Architecture and Environmental Design
Center for Architecture and Environmental Design
Kent Campus
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Description

The Bachelor of Science degree in Architecture enables students to acquire and apply knowledge that contributes to the betterment of the physical environment. The balanced curriculum of technology, visualization, history, theory and design studio coursework offers a platform for scholarship, constructive discourse and debate. Northeast Ohio's rich history and dynamic urban landscape serve as a setting for academic learning. By placing equal emphasis on the poetics and pragmatics of architectural design, the curriculum inspires experimentation, collaboration, discovery, critical thinking and innovation. The program fosters academic excellence and prepares students to lead in the field of architecture.

The college offers full-semester programs abroad for qualified third-year students. The study abroad program is housed in the heart of historic Florence, Italy. The program is open to all students who have made satisfactory progress toward completion of their undergraduate program.

Fully Offered At:

- Kent Campus

Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

Freshmen Students: Admission to the Architecture major is highly selective. Of the students who apply each year, approximately 100 are enrolled in the program. Of the remaining applicants, approximately 50 are selected as alternates. Should additional space become available prior to the beginning of fall semester, spaces will be filled from the roster of alternates.

To be considered for admission, students need a minimum 3.000 high school grade point average (on a 4.000 scale) and a minimum ACT 25 composite score (minimum ACT 25 sub scores in both English and mathematics) or a minimum SAT 1200 total with minimum 600 sub scores of in both mathematics and evidence-based reading and writing.

Application deadline is Jan. 31. All applications must include the application fee, official ACT/SAT scores and an official high school transcript that shows class rank and coursework in 9th, 10th and 11th grades, as well as the courses that are being taken or will be taken in the senior year. Transcripts that do not show class rank and senior courses cannot be considered. All completed applications received by the deadline will be reviewed.

Applicants will be notified of their admission status by March 1. Those offered admission to the architecture program must notify the college of their decision by April 1. Admission not confirmed by this date will be offered to alternates.

Applicants with a non-professional bachelor's degree or a pre-professional degree from another institution will have their prior education evaluated to determine if they meet student performance criteria as stipulated by the National Architectural Accrediting Board (NAAB). If deficient criteria or courses are recognized, the student may be required to complete additional courses to earn the degree. Determinations will be made by the program director and graduate coordinator at the time the student is admitted to the program

Admission to Non-Degree General major: Students not admitted to the Architecture major may qualify for admission to the college's non-degree General major. Students in the General major are assigned to freshman orientation classes with students in all College of Architecture and Environmental Design majors. These classes aid in understanding the broad range of career options within the environmental design professions. Students should take regular coursework in preparation to attempt entry into one of the College of Architecture and Environmental Design majors or may consider alternative degree program options. Students should meet with their advisor to aid in making a decision regarding their degree program and major. In order to move forward with a minimum loss of credit hours, it is strongly recommended that students in the General, who were not accepted into a degree program, choose an alternate degree program within or outside the college prior to completing 45 credit hours.

Students in the General major may apply for admission to the architecture summer studio program. To be eligible, they must complete their first year with a minimum 2.750 GPA (3.000 GPA or higher are the most competitive), complete first year non-studio requirements and apply for the summer studio program. Students who are accepted will complete ARCH 10101 and ARCH 10102 during the summer between their first and second years. A personal interview with the associate college dean is recommended during the first week of the spring semester of their first year.

Transfer, Transitioning and Former Students: For more information about admission criteria for transfer, transitioning and former students, please visit the admissions website.

English Language Proficiency Requirements for International Students: All international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning a minimum 525 TOEFL score (71 on the Internet-based version), minimum 75 MELAB score, minimum 6.0 IELTS score or minimum 48 PTE Academic score, or by completing the ELS level 112 Intensive Program. For more information on international admission, visit the Office of Global Education's admission website.

Program Learning Outcomes

Graduates of this program will be able to:

1. Demonstrate the fundamentals of visual perception and the principles of two and three-dimensional form and space making.
2. Demonstrate comprehensive design studio experiences through which graduates apply an understanding of the integration of building design, site design, assemblies, structure, environmental systems and building code requirements.

3. Demonstrate an understanding of building systems and their integration for human comfort, including lighting, heating ventilation and acoustics.

University Requirements

All students in a bachelor's degree program at Kent State University must complete the following university requirements for graduation.

NOTE: University requirements may be fulfilled in this program by specific course requirements. Please see Program Requirements for details.

Destination Kent State: First Year Experience	1
Course is not required for students with 25 transfer credits, excluding College Credit Plus, or age 21+ at time of admission.	
Diversity Domestic/Global (DIVD/DIVG)	2 courses
Students must successfully complete one domestic and one global course, of which one must be from the Kent Core.	
Experiential Learning Requirement (ELR)	varies
Students must successfully complete one course or approved experience.	
Kent Core (see table below)	36-37
Writing-Intensive Course (WIC)	1 course
Students must earn a minimum C grade in the course.	
Upper-Division Requirement	39 (or 42)
Students must successfully complete 39 upper-division (numbered 30000 to 49999) credit hours to graduate. Students in a B.A. and/or B.S. degree in the College of Arts and Sciences must complete 42 upper-division credit hours.	
Total Credit Hour Requirement	120
Some bachelor's degrees require students to complete more than 120 credit hours.	

Kent Core Requirements

Kent Core Composition (KCOMP)	6
Kent Core Mathematics and Critical Reasoning (KMCR)	3
Kent Core Humanities and Fine Arts (KHUM/KFA) (min one course each)	9
Kent Core Social Sciences (KSS) (must be from two disciplines)	6
Kent Core Basic Sciences (KBS/KLAB) (must include one laboratory)	6-7
Kent Core Additional (KADL)	6
Total Credit Hours:	36-37

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements (courses count in major GPA)		
AED 10101	DESIGN FOUNDATIONS STUDIO I	3
AED 10102	DESIGN FOUNDATIONS STUDIO II	3
ARCH 10011	GLOBAL ARCHITECTURAL HISTORY I (KFA)	3
ARCH 10012	GLOBAL ARCHITECTURAL HISTORY II (KFA)	3
ARCH 20101	SECOND YEAR DESIGN STUDIO I	3
ARCH 20102	SECOND YEAR DESIGN STUDIO II	3
ARCH 20301	INTRODUCTION TO BUILDING STRUCTURES	3
ARCH 20601	COMPUTER APPLICATIONS IN ARCHITECTURE I	2

ARCH 20602	COMPUTER APPLICATIONS IN ARCHITECTURE II	1
ARCH 30001	SITE DESIGN (WIC) ¹	1
ARCH 30002	URBAN DESIGN ²	1
ARCH 30101	THIRD YEAR DESIGN STUDIO I	5
ARCH 30102	THIRD YEAR DESIGN STUDIO II (ELR) ³	5
ARCH 40001	SUSTAINABLE DESIGN (WIC) ¹	1
ARCH 40002	SYSTEMS DESIGN	1
ARCH 40101	FOURTH YEAR DESIGN STUDIO I	5
ARCH 40102	INTEGRATED DESIGN STUDIO	5
ARCH 40301	STRUCTURAL SYSTEMS I	3
ARCH 40302	STRUCTURAL SYSTEMS II	3
ARCH 40401	METHODS AND MATERIALS I	3
ARCH 40402	METHODS AND MATERIALS II	3
ARCH 40501	ENVIRONMENTAL TECHNOLOGY I	3
ARCH 40502	ENVIRONMENTAL TECHNOLOGY II	3
Architecture (ARCH) Upper-Division Electives (30000 or 40000 level)		9
Architectural History Elective, choose from the following:		3
ARCH 45210	RENAISSANCE ARCHITECTURE	
ARCH 45211	BAROQUE ARCHITECTURE	
ARCH 45213	20TH CENTURY ARCHITECTURAL HISTORY	
ARCH 45220	AMERICAN ARCHITECTURE: COLONIAL TO 1900	
ARCH 45230	FRANK LLOYD WRIGHT	
ARCH 45240	THE SKYSCRAPER	
ARCH 45241	ARCHITECTURE OF WORLD'S FAIRS	
ARCH 45291	SEMINAR: VARIABLE TOPICS IN ARCHITECTURAL HISTORY	

Additional Requirements (courses do not count in major GPA)

MATH 12011	CALCULUS WITH PRECALCULUS I (KMCR)	3
MATH 12002	ANALYTIC GEOMETRY AND CALCULUS I (KMCR)	3-5
	or MATH 12012	CALCULUS WITH PRECALCULUS II (KMCR)
PHY 13001	GENERAL COLLEGE PHYSICS I (KBS)	4
PHY 13012	COLLEGE PHYSICS II (KBS) ⁴	2
PHY 13021	GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)	1
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1

Kent Core Composition	6
Kent Core Humanities	3
Kent Core Social Sciences ⁵	6
Kent Core Additional	3
Non-Architecture Electives (total credit hours depends on earning 124 credit hours, including 39 upper-division credit hours)	14
Minimum Total Credit Hours:	124

- A minimum C grade must be earned to fulfill the writing-intensive requirement.
- This course is equivalent to ARCH 30012.
- This course is equivalent to ARCH 30112.
- Students who successfully complete PHY 13002 will have met the requirement for PHY 13012.
- ECON 22060 is a recommended Kent Core Social Sciences course.

Progression Requirements

Requirements for advancement to third year—professional level:

Advancement review for the Bachelor of Science in Architecture occurs at the end of the second year. Upon completion of 60 credit hours, students are required to contact the Office of Advising and Academic Services in Taylor Hall to obtain a requirement sheet bearing a current evaluation of all progress toward completion of the student's chosen degree program. Requirement evaluations are not a substitute for meeting with a faculty advisor. To advance, students must accomplish the following:

- Comply with all specific course prerequisites
- Earn a minimum 2.25 GPA in architecture courses
- Earn a minimum 2.50 overall GPA
- Complete the following courses:

Code	Title	Credit Hours
AED 10101	DESIGN FOUNDATIONS STUDIO I	3
AED 10102	DESIGN FOUNDATIONS STUDIO II	3
ARCH 10011	GLOBAL ARCHITECTURAL HISTORY I (KFA)	3
ARCH 10012	GLOBAL ARCHITECTURAL HISTORY II (KFA)	3
ARCH 20101	SECOND YEAR DESIGN STUDIO I	3
ARCH 20102	SECOND YEAR DESIGN STUDIO II	3
ARCH 20301	INTRODUCTION TO BUILDING STRUCTURES	3
ARCH 20601	COMPUTER APPLICATIONS IN ARCHITECTURE I	1-3
ARCH 20602	COMPUTER APPLICATIONS IN ARCHITECTURE II	1-3
MATH 12011 & MATH 12012 or MATH 12002	CALCULUS WITH PRECALCULUS I (KMCR) and CALCULUS WITH PRECALCULUS II (KMCR) ANALYTIC GEOMETRY AND CALCULUS I (KMCR)	5-6
PHY 13001	GENERAL COLLEGE PHYSICS I (KBS)	4
PHY 13012	COLLEGE PHYSICS II (KBS)	2
PHY 13021	GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)	1
Kent Core Composition		6

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.250	2.000

- Architecture majors may not use the following course to satisfy the architectural major requirements: ARCH 10001.
- No more than 4 credit hours of Physical Activity, Wellness and Sport (PWS) courses may apply to required credit hours for graduation.
- No more than the first 16 credit hours of ROTC courses—Aerospace Studies (ASTU) and Military Studies (MSCI)—may apply to required credit hours for graduation. Veterans who have completed a minimum one year of active duty may receive PWS credit for military basic training according to branch of service, as follows:
 - Army and Marine Corps: 3 credit hours
 - Navy and Coast Guard: 2 credit hours
 - Air Force: 1 credit hour

Roadmap

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester One		Credits
!	AED 10101 DESIGN FOUNDATIONS STUDIO I	3
	MATH 12011 CALCULUS WITH PRECALCULUS I (KMCR)	3
	UC 10097 DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
	Kent Core Requirement	3
	Kent Core Requirement	3
	Kent Core Requirement	3
Credit Hours		16
Semester Two		
!	AED 10102 DESIGN FOUNDATIONS STUDIO II	3
	MATH 12002 ANALYTIC GEOMETRY AND CALCULUS I (KMCR) or MATH 12012 or CALCULUS WITH PRECALCULUS II (KMCR)	3-5
	Non-Architecture Electives	3
	Kent Core Requirement	3
	Kent Core Requirement	3
Credit Hours		15
Semester Three		
!	ARCH 10011 GLOBAL ARCHITECTURAL HISTORY I (KFA)	3
!	ARCH 20101 SECOND YEAR DESIGN STUDIO I	3
!	ARCH 20601 COMPUTER APPLICATIONS IN ARCHITECTURE I	2
!	PHY 13001 GENERAL COLLEGE PHYSICS I (KBS)	4
!	PHY 13021 GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)	1
	Kent Core Requirement	3
Credit Hours		16
Semester Four		
Requirement: Kent Core Composition courses (6 credit hours) must be completed.		
!	ARCH 10012 GLOBAL ARCHITECTURAL HISTORY II (KFA)	3
!	ARCH 20102 SECOND YEAR DESIGN STUDIO II	3
!	ARCH 20301 INTRODUCTION TO BUILDING STRUCTURES	3
!	ARCH 20602 COMPUTER APPLICATIONS IN ARCHITECTURE II	1
!	PHY 13012 COLLEGE PHYSICS II (KBS)	2
	Non-Architecture Electives	3
Credit Hours		15
Semester Five		
Requirements: minimum 2.250 GPA in ARCH courses, minimum overall 2.500 GPA. Note: no more than one deficiency in required major coursework listed in the first four semesters		
!	ARCH 30001 SITE DESIGN (WIC)	1
!	ARCH 30101 THIRD YEAR DESIGN STUDIO I	5
	ARCH 40301 STRUCTURAL SYSTEMS I	3
	ARCH 40401 METHODS AND MATERIALS I	3
	ARCH 40501 ENVIRONMENTAL TECHNOLOGY I	3
Credit Hours		15
Semester Six		
!	ARCH 30002 URBAN DESIGN	1
!	ARCH 30102 THIRD YEAR DESIGN STUDIO II (ELR)	5
	Architecture (ARCH) Upper-Division Electives (30000 or 40000 level)	9
Credit Hours		15

Semester Seven

!	ARCH 40001 SUSTAINABLE DESIGN (WIC)	1
!	ARCH 40101 FOURTH YEAR DESIGN STUDIO I	5
!	ARCH 40402 METHODS AND MATERIALS II	3
!	ARCH 40502 ENVIRONMENTAL TECHNOLOGY II	3
	Non-Architecture Electives	3
Credit Hours		15

Semester Eight

!	ARCH 40002 SYSTEMS DESIGN	1
!	ARCH 40102 INTEGRATED DESIGN STUDIO	5
!	ARCH 40302 STRUCTURAL SYSTEMS II	3
	Architectural History Elective	3
	Non-Architecture Electives	5
Credit Hours		17
Minimum Total Credit Hours:		124