

ARCHITECTURE

THE UNIVERSITY OF TEXAS AT ARLINGTON

COLLEGE OF ARCHITECTURE, PLANNING AND PUBLIC AFFAIRS (CAPPA)

ADVISING INFORMATION – ARCHITECTURE

Architecture Bldg. • 601 W. Nedderman Dr., Ste. 203. • Box 19108

• 817-272-2801 • www.uta.edu/architecture

SCHOOL OF ARCHITECTURE UNDERGRADUATE ADVISORS

Kelsey Childress

Cheryl Donaldson

arch.advising@uta.edu

This packet contains information to assist architecture and interior design students in the process of registering for the upcoming semesters, as well as general information concerning advising.

Students should read and be familiar with the UTA undergraduate catalog, especially as it relates to Architecture and Interior Design. The following information is included here to facilitate advising only:

ADMISSIONS REQUIREMENTS

Students must first apply for admissions to the University (www.uta.edu/admissions) for the **fall semester** and list Architecture as their major of choice. Orientation is required for all SoA students new to UT Arlington. Students must complete the admissions process before the **June 1st deadline**. **We will accept the first 300 students to have completed their admissions process and enrollment at orientation.** Students should apply through the Office of Admissions and list Architecture as their major of choice; there is not a separate admission process into the School of Architecture.

Freshman Students: All freshmen entering students majoring in Architecture and Interior Design are admitted as Architecture University College (ARCH_UCOL) or Interior Design University College (INTD_UCOL) intended majors. Intended major students complete the 1st and 2nd Year Architecture courses in the course sequence while completing the Core Curriculum. All first-time, first-year freshman ARCH_UCOL and INTD_UCOL students must meet with their University College Advisor (Ransom Hall, 817-272-3140) during their first year to gain a solid academic foundation.

After the first year, Architecture and Interior Design students transition into the intended major and receive both major advising and clearance for registration every semester from Architecture academic advisors only. Transfer students must seek academic advising from the Architecture academic advisors immediately (arch.advising@uta.edu; 817-272-2801).

Transfer Students: **Transfer Students: Upon transferring into the undergraduate program, it will take a minimum of 8 semesters (4 years) to complete.** Transfer students who have completed Architecture, Interior Design, or any other college level design courses are required to submit a portfolio to the School of Architecture as soon as admittance to the University is approved.

Portfolios must be received at the School of Architecture (601 W. Nedderman Dr., Suite 203, Arlington, TX 76019-0108) prior to registration advising. The portfolio must clearly demonstrate creative and communicative skills in written and graphic form. A complete transcript of all professional courses accompanied by the catalog descriptions from the originating institutions must be included.

Portfolio should be no larger and 11"x14" in printed form. Do not send slides, original work or email attachments. A postage-paid, self-addressed return envelope must be included for return of the work to the candidate. The portfolio will be reviewed to determine the student's placement within the curricular sequence. **Please note that our program is architecturally as well as design based, please include projects that shows freehand drawing and model building skills.**

International Students: New incoming international students are required to attend International Student Orientation, where you will meet with an International advisor and then Freshman International students will go to the University Advising Center to also meet with a University College advisor; Transfer International students meet with a SoA advisor. For more information, please contact the Office of International Education: <http://www.uta.edu/oie/?page=home>

Declare Major (Enter 3rd year): To be admitted to the Major Studies program in the School of Architecture, **students must complete all Basic Studies courses (first two years of the degree program) and must complete the Core Curriculum of the course sequence and have a laptop before qualifying to take any 3000/4000 ARCH or INTD course.**

Students must meet the department's minimum at the time of entering 3rd year both overall at UTA and within the School of Architecture. Students also must meet any other requirements as listed by the department for admission into the major studies. Once accepted in the Major Studies portion of the program, students must maintain the department's minimum requirements to remain active within the program.

SPECIAL ACADEMIC REQUIREMENTS

Cohort / Program Sequencing: The undergraduate programs in the School of Architecture at the University of Texas at Arlington are organized in a structured cohort format. A cohort is a group of students that follows the same set schedule and progresses through a program together. The sequential scheduling of the courses promotes an interactive learning environment and facilitates networking opportunities and career-strengthening relationships. **The undergraduate programs in the School of Architecture consist of a sequence of courses that takes a minimum of eight semesters (4 years) to complete for freshman, transfer and international students** The courses are offered in specific semesters that require the students to complete the prior level before proceeding to the next level. If a student gets off-track in the cohort, she/he must wait until the missing course(s) are offered again.

GPA Requirements: Upon admission to the Major Studies, all declared majors must possess and maintain a minimum GPA of 2.8 in both SOA courses and in the cumulative GPA to continue in the upper level program to satisfy requirements for graduation.

Grade Requirements: A grade of C or higher must be earned in each School of Architecture course used for credit toward an undergraduate degree offered by the school. A grade of C or higher must also be earned in all required Math courses. **Students cannot retake courses in which a grade of C or higher was earned.**

Repetition of Courses: Three attempts to achieve a satisfactory grade ("C" or better) are permitted for each required course in the School of Architecture. Beyond that number of attempts, the student is denied access to the course in question, or to the sequence of courses for which it is requisite. Enrollment in the course for the time sufficient to receive a grade, including the grade "W", is considered an attempt.

Student Projects: The School of Architecture reserves the right to retain, copyright, use, exhibit, reproduce, and publish any work submitted for course credit. The student is encouraged to develop a portfolio of all work accomplished in courses for future professional and academic uses.

Minor: The School of Architecture offers minors in Architecture History, Environmental and Sustainable Studies, and Urban and Public Affairs. Students cannot minor in Architecture or Interior Design. For more information on the minors offered through our department, please visit our website: <https://www.uta.edu/cappa/academics/minors/index.php>

Double Major in Architecture & Interior Design: Our program does not have the option of double-majoring in Architecture and Interior Design; students would need to choose one of the programs in which to major. Students interested in both will usually complete the BS Interior Design then complete the Masters of Architecture (3.5 years) to receive a professional degree in both programs.

Laptop Initiative: All declared Architecture and Interior Design majors admitted to the Third Year (Major Studies) are required to have a personal laptop computer configured to the specifications defined by the School of Architecture. Specifications can be found on the Architecture website: www.uta.edu/architecture.

UNIVERSITY REQUIREMENTS:

UNIV-AR 1131. STUDENT SUCCESS (or ARCH 1101): Required course to establish a solid overview of UT Arlington, the School of Architecture and the architecture program for all students who intend to declare as an architecture major.

Math Aptitude Test (MAT):

Students must take the MPTT before enrolling in MATH 1327 Architectural Calculus w/Analytic Geometry (MPTT score of 13+ required); MATH 1327 also requires the completion of MATH 1303. Contact the **Math Department, Room 478, Pickard Hall, call 817-272-3261** or visit this site for more information (<http://www.uta.edu/math/pages/main/mpt.htm>).

Floating 30 Rule

The State of Texas requires that any student who entered college Fall 2006 or later and has accumulated 30 hours over the amount required by his/her degree plan will be required to pay out-of-state tuition for additional coursework.

Withdrawal Limit: Students **who entered a Texas public institution Fall 2007 or thereafter** are limited to a total of 6 drops with a grade of "W" during their undergraduate academic career.

All candidates seeking this degree must fulfill the Core Curriculum requirements and the degree requirements, which are listed within this packet.

The design disciplines — **Architecture and Interior Design**— teach us to understand and to shape the space we live in: rooms, buildings, gardens, cities. These disciplines are old, among the first activities of civilization itself. They are also new, requiring advanced knowledge and skills to serve contemporary culture. The design disciplines operate at many levels of thought and concern. On one hand they are very practical, dealing with a host of concrete realities; on the other they are highly conceptual, having to do with meaning and society's highest aspirations.

The purpose of the School's undergraduate curriculum is to pursue professional studies within the context of a liberal education. This goal is a natural one for the design disciplines, drawn as they are from the arts, the sciences, and the humanities.

The School of Architecture in the College of Architecture, Planning and Public Affairs offers programs leading to the following degrees:

Bachelor of Science in Architecture
Master of Architecture

4
+
2

Bachelor of Science in Interior Design

The four-year Bachelor of Science in Architecture degree is a pre-professional degree. It provides the basis for various career possibilities, including the professional degree of Master of Architecture or the Master of Landscape Architecture; these advanced degrees are normally awarded after two years of graduate study (refer to the graduate catalog for details). The four-year Bachelor of Science in Interior Design degree is an accredited professional degree.

The baccalaureate degree programs combine a core liberal arts curriculum with a structured sequence of courses in architecture and design. A large number of electives allow the student the flexibility to pursue special interests in the school and in the University.

All baccalaureate degree programs consist of two two-year segments: Basic Studies and Major Studies. The first two years (Basic Studies) is a foundation curriculum taken by all undergraduates at that level in the school. In addition to work in the arts and sciences, Basic Studies includes a series of lecture and studio courses which introduce the student to the concepts, history, skills, and vocabulary of design.

In the third and fourth years (Major Studies), the student concentrates in one of the design disciplines, taking courses and studios of a more advanced and professional nature. Those pursuing the Bachelor of Science in Architecture degree follow the architecture sequence. Candidates for the Bachelor of Science in Interior Design take the professional courses required by that program.

The School of Architecture will assist each student in selecting the path most appropriate to his or her interests and abilities.

Academic advising is provided for all students in the school.

Bachelor of Science in Architecture: A four-year program of studies comprising, with a later two-year graduate program, the six-year Master of Architecture curriculum. This sequence, called the 4 + 2 model, has been adopted by many major universities as the most effective way of combining liberal education with professional education. (See the Graduate Catalog for the Master of Architecture program, which is accredited by the National Architectural Accrediting Board.) The four-year undergraduate degree is not an accredited professional degree; the Master of Architecture is fully accredited. Below is the language from the National Architectural Accrediting Board explaining accreditation policy:

"In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes two types of degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a five-year, three-year or two-year term of accreditation, depending on its degree of conformance with established educational standards.

"Master's degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree."

Master of Architecture: The Master of Architecture is an NAAB-accredited professional degree offered only at the graduate level. The Master of Architecture curriculum is coordinated with the Bachelor of Science in Architecture curriculum degree to form a six-year professional program.

Bachelor of Science in Interior Design: A four-year program of studies, interdisciplinary with architecture, on the design of interior environments. Following the two-year Basic Studies sequence, the student completes two years of Major Studies, an intensive series of courses and studios on the theory, history, skill, and practice of interior design. The program leads to the professional degree in interior design, accredited by the Council for Interior Design Accreditation (CIDA, formerly FIDER) and the National Association of Schools of Art and Design (NASAD).

COURSE SEQUENCE – ARCHITECTURE

First Year

First Semester (Fall): **ARCH 1301**-Introduction to Architecture and Interior Design
 ARCH 1341-Design Communications I
 ENGL 1301-Rhetoric and Composition I
 MATH 1303- Trigonometry
 POLS 2312-State & Local Government
 UNIV-AR 1131-Student Success (*or ARCH 1101*)

Total Credit Hours: 16 hrs.

Second Semester (Spring) **ARCH 1342**-Design Communications II
 ENGL 1302- Rhetoric and Composition II
 HIST 1301-U.S.History
 MATH 1327-Architectural Calculus w/ Analytic Geometry
 Social & Behavioral Sciences Elective-3 hrs.

Total Credit Hours: 15 hrs.

Second Year

First Semester (Fall): **ARCH 2303**-History of Architecture and Design I
 ARCH 2551-Basic Design + Draw I
 HIST 1302-U.S.History
 Language, Philosophy & Culture Elective-3hrs.
 PHYS 1441-General College Physics

Total Credit Hours: 18 hrs.

Second Semester (Spring) **ARCH 2304**-History of Architecture and Design II
 ARCH 2552-Basic Design + Draw II
 Literature Elective-3hrs.
 PHYS 1442-General College Physics
 POLS 2311-Government of the United States

Total Credit Hours: 18 hrs.

Note: In order to declare your major in Architecture, students must be advised by the Undergraduate Advisor prior to enrolling in any course at the 3000 level or above. Must have completed all Basic Studies (1st & 2nd year ARCH/INTD) courses, all core hours, must have a minimum 2.8 cumulative GPA overall at UTA, a 2.8 GPA within the School of Architecture, and a laptop.

Third Year

First Semester (Fall): **ARCH 3323**-Construction Materials + Methods
 ARCH 3343-Architecture Computer Graphics
 ARCH 3553-Design Studio: Architecture I
 Advanced ARCH Elective-3hrs.
 University Elective-2 hrs.

Total Credit Hours: 16 hrs.

Second Semester (Spring) **ARCH 3324**-Structures I
 ARCH 3331-Architecture & Environment
 ARCH 3337-Site Design
 ARCH 3554-Design Studio: Architecture II

Total Credit Hours: 14 hrs.

Note: Students should meet with an advisor prior to registration for this year to finalize their degree requirements.

Fourth Year

First Semester (Fall): **ARCH 4321**-Structural Systems in Buildings
 ARCH 4556-Design Studio: Architecture III
 Advanced Arch History Elective-3hrs.
 Advanced Elective-3hrs.
 Advanced Elective-3hrs.

Total Credit Hours: 17 hrs.

Second Semester (Spring) **ARCH 4557**-Design Studio: Architecture IV
 Advanced Arch Theory Elective-3hrs.
 Advanced Elective-3 hrs.
 Advanced Elective-3hrs.

Total Credit Hours: 14 hrs.

REQUIREMENTS FOR BACHELOR OF SCIENCE DEGREE IN ARCHITECTURE

Core Curriculum—38 hrs

Architecture	63 Hours	1301,1341,1342,2303,2304,2551,2552,3323,3324,3331,3337,3343,3553,3554,4321,4556,4557
Communications	6 Hours	ENGL 1301, 1302 Composition/Communication Skills, or suitable substitutes.
Language, Philosophy & Culture	3 Hours	See Recommended Electives List on page 7
Government/ Political Science	6 Hours	POLS 2311, 2312 U.S. and Texas Constitutions, (This requirement is mandated by state law and cannot be waived).
U. S. History (060)	6 Hours	HIST 1301, 1302 American History, six hours of American history or three hours American and three hours of Texas history. (This requirement is mandated by state law and cannot be waived).
Mathematics	6 Hours	MATH 1303 Trigonometry and MATH 1327 Architectural Calculus w/Analytic Geometry or substitute advanced Mathematics. (No credit will be given for additional courses in the 1000 level).
Life & Physical Sciences)	8 Hours	PHYS 1441, 1442 – General College Physics or PHYS 1443, 1444 – General Technical Physics
Social & Behavioral Sciences	3 Hours	See Recommended Electives List on page 7
Creative Arts		ARCH 1301. Introduction to Architecture & Interior Design meets this requirement for all architecture students.
Major Elec.	9 Hours	To include 3 hours of advanced Architectural History, 3 hours in an advanced Architecture Theory and 3 hours of an Advanced School of Architecture elective.
Prescribed Electives	18 Hours	15 hours of Advanced elective, 3 hours from an approved Art History and 3 hours of Literature, see Recommended Electives List on page 7
Total:	128 Hours	Of which at least 36 hours must be 3000/4000 levels.

The major courses must be taken as follows:

For ARCH students	1 st semester	2 nd semester	3 rd semester	4 th semester	5 th semester	6 th semester	7 th semester	8 th semester
Offered Fall semester only	ARCH 1101 1301, 1341	↘	ARCH 2303, 2551	↘	ARCH 3323, 3343, 3553	↘	ARCH 4321, 4556	↘
Offered Spring semester only		ARCH 1342	↗	ARCH 2304, 2552	↗	ARCH 3324, 3331, 3337, 3554	↗	ARCH 4557

Student's Name _____

Undergraduate Advisor ARCH Approval _____

Maverick ID Number _____

Student's UTA Email _____

ARCHITECTURE-INTENDED STUDIES

BASIC STUDIES		26 Credit Hours	Comp.	Inc.
ARCHITECTURE				
1ST YEAR		10 HRS		
Fall semester				
ARCH 1301	Intro to ARCH/INTD			
ARCH 1341	Design Communications I			
UNIV-AR 1131	Student Success or ARCH 1101			
Spring semester				
ARCH 1342	Design Communications II			
2ND YEAR		16 HRS		
Fall semester				
ARCH 2303	History of Architecture I			
ARCH 2551	Basic Design/Draw I			
Spring semester				
ARCH 2304	History of Architecture II			
ARCH 2552	Basic Design/Draw II			
TOTAL				

CORE CURRICULUM		40 Credit Hours	Comp.	Inc.
COMMUNICATIONS		6 HRS		
ENGL 1301	Rhetoric & Composition I			
ENGL 1302	Rhetoric & Composition II			
TOTAL				

LANGUAGE, PHILOSOPHY & CULTURE		3 HRS	Comp.	Inc.
TOTAL				

U. S. HISTORY		6 HRS	Comp.	Inc.
HIST 1301	History of the U.S. I			
HIST 1302	History of the U.S. II			
TOTAL				

MATHEMATICS ~		6 HRS	Comp.	Inc.
MATH 1303	Trigonometry			
MATH 1327	Arch Calculus w/Analytic Geometry			
TOTAL				

GOVERNMENT/POLITICAL SCIENCE		6 HRS	Comp.	Inc.
POLS 2311	Government of the U.S.			
POLS 2312	State & Local Government (TX)			
TOTAL				

LIFE & PHYSICAL SCIENCES~		8 HRS	Comp.	Inc.
PHYS 1441	General College Physics I			
PHYS 1442	General College Physics II			
TOTAL				

SOCIAL & BEHAVIORALSCIENCES		3 HRS	Comp.	Inc.
TOTAL				

ARCHITECTURE-INTENDED SUBTOTAL			Comp.	Inc.

** ARCH 1301 satisfies Creative Arts requirement
 *** INTD/ARCH/LARC class require grade "C" or better
 ~ All MATH classes require a grade of "C" or better

ARCHITECTURE DECLARED MAJOR STUDIES

MAJOR STUDIES		38 Credit Hours	Comp.	Inc.
ARCHITECTURE				
3rd YEAR		25 HRS		
Fall semester				
ARCH 3323	Construction Materials/Methods			
ARCH 3343	ARCH Computer Graphics			
ARCH 3553	Design Studio I			
Spring semester				
ARCH 3324	Structures I			
ARCH 3331	ARCH & Environment			
ARCH 3337	Site Design			
ARCH 3554	Design Studio II			
4th YEAR		13 HRS		
Fall semester				
ARCH 4321	Structural Systems in Buildings			
ARCH 4556	Design Studio III			
Spring semester				
ARCH 4557	Design Studio IV			
TOTAL				

MAJOR ELECTIVES		9 HRS	Comp.	Inc.
Adv. ARCH History				
Adv. ARCH Theory				
Adv. ARCH				
TOTAL				

PRESCRIBED ELECTIVES †		17 HRS	Comp.	Inc.
Adv. Elective				
Literature Elective				
Univ. Elective				
TOTAL				

CORE CURRICULUM SUBTOTAL			Comp.	Inc.
BASIC STUDIES SUBTOTAL				
PRESCRIBED ELECTIVES SUBTOTAL				
MAJOR STUDIES SUBTOTAL				

TOTAL			Comp.	Inc.

128 Credit Hours Required for Degree

OPTIONAL MINOR -		18-19 HRS	Comp.	Inc.
TOTAL				

ARCHITECTURE & INTERIOR DESIGN COURSES AND PREREQUISITE INFORMATION

ARCH 1301. INTRODUCTION TO ARCHITECTURE AND INTERIOR DESIGN. The interrelationships between society, culture, and the built environment. **Prerequisite:** Department approval.

ARCH 1341. DESIGN COMMUNICATIONS I. The development of visual perception and graphic communication utilizing an intensive investigation of freehand drawing. **Prerequisite:** Departmental approval.

ARCH 1342. DESIGN COMMUNICATIONS II. A continuation of ARCH 1341 with emphasis on refined technique and more complex drawing problems. **Prerequisite:** ARCH 1301 & ARCH 1341.

ARCH 2303 HISTORY OF ARCHITECTURE AND DESIGN I. An historical and analytical review of the art of architecture and design with the physical, religious, social, economic, and political factors which shaped them from prehistory through the Middle Ages. **Prerequisite:** ARCH 1301, 1341 and 1342. Restricted to Architecture-intended and Interior Design-intended majors.

ARCH 2304 HISTORY OF ARCHITECTURE AND DESIGN II. An historical and analytical review of the art of architecture and design with the physical, religious, social, economic, and political factors which shaped them from the Renaissance to the present. **Prerequisite:** ARCH 1301, 1341, 1342, 2303. Restricted to Architecture-intended and Interior Design-intended majors.

ARCH 2551 BASIC DESIGN AND DRAWING I. An introduction to design, design drawing, and color theory utilizing lectures and studio exercises. Two- and three-dimensional studio exercises develop a sensibility to design fundamentals and vocabulary. Emphasis on form, color, texture, and spatial determinants. **Prerequisite:** Credit or concurrent enrollment in ARCH 2303. Restricted to Architecture-intended and Interior Design-intended majors.

ARCH 2552 BASIC DESIGN AND DRAWING II. A continuation of ARCH 2551 with emphasis on three-dimensional design fundamentals with small-scale spatial and architectural applications. **Prerequisite:** ARCH 2551. Credit or concurrent enrollment in ARCH 2304. Restricted to Architecture-intended and Interior Design-intended majors.

UNIV-AR 1131/ARCH 1131. STUDENT SUCCESS/ACADEMICA SUCCESS SKILLS IN ARCHITECTURE. This is a required course intended to establish a solid overview of the School of Architecture and the interior design program for all first semester UTA students who intend to declare as an interior design major.

Major Studies courses (All 3rd & 4th year ARCH and INTD courses require junior standing in program)

*** MUST HAVE COMPLETED ALL CORE & ALL 1ST & 2ND YEAR ARCH/INTD COURSES, MIN. 2.8 GPAs AND HAVE LAPTOP BEFORE TAKING MAJOR STUDIES COURSES***

ARCH 3323 CONSTRUCTION MATERIALS AND METHODS . The nature of materials and structural concepts to be used in the construction process. **Prerequisite:** ARCH 2552. Junior standing in program. Restricted to Architecture majors.

ARCH 3324 STRUCTURES I. An introduction to architectural structures, including statics and strength of materials, with emphasis on design in timber. **Prerequisite:** ARCH 3323, PHYS 1441, MATH 1325 or MATH 1421, MATH 1327 or MATH 1426. Junior standing in program. Restricted to Architecture majors.

ARCH 3331 ARCHITECTURE AND ENVIRONMENT. An overview of sustainable design integrated with natural resource conservation. **Prerequisite:** ARCH 2552. Junior standing in program. Restricted to Architecture majors.

ARCH 3337 SITE DESIGN. The related site design process includes site planning pertaining to land use, case studies, siting of structures, codes, and topography. **Prerequisite:** Junior standing in program. Restricted to Architecture majors.

ARCH 3343 ARCHITECTURE COMPUTER GRAPHICS (DESIGN COMMUNICATION III). An advanced course to develop visual sensitivity and awareness of digital techniques to enable the student to study design ideas and present those ideas in the various design disciplines. Emphasis on the relationship of computer graphics with the design process. **Prerequisite:** Junior standing in program. Restricted to Architecture majors.

ARCH 3553 DESIGN STUDIO: ARCHITECTURE I. The application of basic design principles/spatial concepts toward the synthesis of simple building types. Credit will be given for only one of ARCH 3553 or INTD 3553. **Prerequisite:** ARCH 2552. Credit or concurrent enrollment in ARCH 3323 and ARCH 3343. Junior standing in program. Restricted to Architecture majors.

ARCH 3554 DESIGN STUDIO: ARCHITECTURE II. A continuation of ARCH 3553, with an increased complexity and scale of projects, incorporating a variety of design theory and technical/site considerations. **Prerequisite:** ARCH 3323, 3343, 3553. Credit or concurrent enrollment in ARCH 3324 and ARCH 3337. Junior standing in program. Restricted to Architecture majors.

ARCH 4321 STRUCTURAL SYSTEMS IN BUILDINGS. An overview of various structural systems including those used in long-span and high-rise buildings. Numerical work limited to the explanation of relevant structural concepts. **Prerequisite:** ARCH 3324. Junior standing in program. Restricted to Architecture majors.

ARCH 4556 DESIGN STUDIO: ARCHITECTURE III. Advanced architectural design problems in programming schematic organization, synthesis and design of buildings in their environmental context. **Prerequisite:** ARCH 3324, 3337, 3343, 3554. Credit or current enrollment in ARCH 4321. Senior standing in program. Restricted to Architecture majors.

ARCH 4557 DESIGN STUDIO: ARCHITECTURE IV. Advanced architectural design problems in programming, schematic organization, synthesis and design of buildings in their environmental context. **Prerequisite:** ARCH 4321 and ARCH 4556. Senior standing in program. Restricted to Architecture majors.

SCHOOL OF ARCHITECTURE

Recommended Electives

LANGUAGE, PHILOSOPHY & CULTURE (3 hrs),

ANTHROPOLOGY

ANTH 2322 Global Culture

ARCHITECTURE

ARCH 2300 Masterworks of Western Architecture

ART AND ART HISTORY

ART 1317 Art of Non-Western Traditions

INTERDISCIPLINARY STUDIES

INTS 1310 Introduction to Popular Culture

PHILOSOPHY AND HUMANITIES

PHIL 1304 Contemporary Moral Problems

PHIL 2300 Introduction to Philosophy

SOCIAL & BEHAVIORAL SCIENCES (3 hrs)

ANTHROPOLOGY

ANTH 1306 Introduction to Anthropology

CRIMINAL JUSTICE

CRCJ 2334 Introduction to Criminal Justice

ECONOMICS

ECON 2305 Principles of Macroeconomics

LINGUISTICS

LING 2301 Intro to the Study of Human Languages

MANAGEMENT

MANA 2302 Communication in Organizations

PSYCHOLOGY

PSYC 1315 Introduction to Psychology

SOCIOLOGY

SOCI 1311 Introduction to Sociology

LITERATURE ELECTIVES (3 hrs, Prerequisites: ENGL 1301, ENGL 1302)

ENGLISH

ENGL 2303 Topics in Literature*

ENGL 2309 World Literature*

ENGL 2319 British Literature*

ENGL 2329 American Literature*

UNIVERSITY ELECTIVES (3 hrs, from any subject)

ARCHITECTURE

ARCH 2300 Masterworks of Western Architecture

ART AND ART HISTORY

ART 1309 Art of the Western World I

COMMUNICATIONS

COMS 1301 Fundamentals of Public Speaking

PSYCHOLOGY

PSYC 1315 Introduction to Psychology

URBAN and PUBLIC AFFAIRS

PLAN 1301 Introduction to Urban Life

*** These courses have Prerequisites. Please check prerequisites before registering in any course!**

If a course requires department consent you will need to contact the department that offers the course.

2019-2020

ADVANCED (Prescribed) ELECTIVES (3 hrs, 33xx, 34xx, 43xx & 44xx levels from any subject)

ANTH 3339 Urban Anthropology [offered sporadically]
 ANTH 4358 Topics in Archaeology (Prehistory of the SW) [F]
 ARCH 33xx/43xx Adv. Arch Electives*
 ART 33xx/43xx Art History & Studios*
 BLAW 3311 Business Law I* [F, SP]
 BLAW 3314 Real Estate Law* [F, SP]
 DS 3355 Universal Design & Accessibility in the Performing Arts
 HIST 3362 Cities/Suburbs in US History [SP]
 INTD 33xx/43xx Interior Design courses*
 MANA 3325 Entrepreneurship /Venture Management [F, SP]
 PLAN 3301 The Metroplex [SP]
 PLAN 4305 Foundations of Environmental Protection & Sustainability
 PLAN 4310 Planning the American City
 PLAN 4320 Sustainable Communities
 REAE 3325 Real Estate Fundamentals* [F, SP]
 REAE 4314 Real Estate Development* [F, SP]

MAJOR ELECTIVES *

(MUST be in upper-level ARCH/INTD program)

ADV. ARCH HISTORY*:

ARCH 3312 History of Contemporary Theory
 ARCH 4305 The City of Rome
 ARCH 4307 The Life of Cities
 ARCH 4308 History of Urban Form
 ARCH 4315 Topics in History of Architecture (topics may vary)
 ARCH 4316 Modern Architecture I
 ARCH 4317 Modern Architecture II
 ARCH 4353 History of Landscape Architecture
***12 hours from these combined with ARCH 2303 & 2304 will meet the requirements for the History of Architecture minor**!*

ADV. ARCH THEORY*:

ARCH 4306 Urban Design Theory
 ARCH 4311 Topics in Architecture Theory (topics may vary)
 ARCH 4313 The Architect in Contemporary Society
 ARCH 4314 Historic Preservation and Restoration
 ARCH 4319 Housing Prototypes: 1920s to Present
 ARCH 4341 Notational Drawing
 ARCH 4344 Conceptual Drawing
 ARCH 4345 Digital Construction
 ARCH 4349 Portfolio Design
 ARCH 4359 Watercolours
 ARCH 4360 Politics and Practice of Preservation

ADV. ARCH ELECTIVE*:

ARCH 4325 Environmental Control Systems I
 ARCH 4326 Environmental Control Systems II
 ARCH 4329 Topics in Computers and Design (topics may vary)
 ARCH 4330 Energy Use and Conservation
 ARCH 4334 Digital Research and Prototyping
 ARCH 4338 Codes and Regulations
 ARCH 4343 Digital Fabrication Methodology
 ARCH 4346 Construction Drawings I
 ARCH 4347 Construction Drawings II
 ARCH 4348 Architectural Photography
 ARCH 4357 Building Information Modeling & Visualization
 ARCH 4358 Advanced Visualization
 ARCH 4391 Conference Course (approved independent study)
 ARCH 4395 Topics in Architecture (topics may vary)
 ARCH 33xx/43xx Additional Adv. ARCH History & Theory
 INTD 33xx/43xx Interior Design

What is the Definition of Design?

Design is a roadmap or a strategic approach for someone to achieve a unique expectation. It defines the specifications, plans, parameters, costs, activities, processes and how and what to do within legal, political, social, environmental, safety and economic constraints in achieving that objective. It is also the creation of a plan or convention for the construction of an object or a system (as in architectural blueprints, engineering drawings, business processes, circuit diagrams, industrial products, etc...)

Design has different connotations in different fields as defined by different design disciplines. In some cases, the direct construction of an object (pottery, graphic design, jewelry, etc...) is also considered design.

What is the Definition of Architecture?

Architecture can be defined as the art and science of designing and erecting buildings and other physical structures. The practice of the architect consists of the offering or rendering of professional services in connection with the design and construction of buildings, or build environment.

In relation to buildings, architecture entails the process of planning, designing and constructing forms, space and ambiance that reflect functional, technical, social, environmental, and aesthetic considerations. It requires the creative manipulation and coordination of material, technology, light and shadow. Architecture encompasses the pragmatic aspects of realizing buildings and structures, including the scheduling, cost estimating, and construction administration. As documentation produced by architects, typically drawings, plans and technical specifications, architecture defines the structure and/or behavior of a building or any other kind of system that is to be or has been constructed.

What does an Architect do?

Architects design all types of buildings from a small house to larger scale structures such as museums, theaters, schools, etc. Many architects also design neighborhoods, urban areas, and sometimes even entire cities.

What qualities are important for an Architect to possess?

Intellectual curiosity, love for creative activities, passion for humanity, willingness to continue learning, attention to detail, interest in craft, concern for accuracy, attention to precision, awareness of social and cultural issues.

How does an Architect differ from Engineers?

Engineers design materials, structures and systems while considering the limitations imposed by practicality, safety and cost. Engineers design the engineering aspects of buildings such as structural, mechanical, electrical, and plumbing. Engineers also design roads, highways, factories etc. Architects are trained to understand and be familiar with engineering and structural aspects of buildings.

How does an Interior Design differ from Architecture?

The main difference between architecture and interior design is typically the scale that they work at. Interior design tends to "zoom-in" at the scale of the individual user. An interior designer may design a furniture plan for a large office building or he/she may customize the cabinetry and hardware for a master bathroom. Architects may work at this increased scale when they are designing a detailed private residence, but the focus may also "zoom-out" to include large complexes of buildings or even urban design problems, such as the design of neighborhoods.

Architects and interior designers are licensed to guarantee the health, safety and welfare of building occupants. The responsibility of the architect includes the adequacy of the building structural system, whereas interior designers are not licensed to provide structural services.

What can I do with a degree in Architecture?

Many things; first and foremost to become an architect, however, some people with an architectural degree enter into the fields of interior design, construction, stage design, film, furniture design, building legal analyst, etc...

Why study Architecture at the University of Texas at Arlington?

We offer a nationally recognized program in architecture located in one of the most vibrant metropolitan areas in the US, with a wide range of Study Abroad Programs and Exchange Programs with many European and Central American countries. UT-Arlington School of Architecture is a design-focused school with degreed programs in undergraduate and graduate studies.

What is the benefit in graduating from an accredited program of Architecture?

In order to be able to take the Architectural Exam and become a licensed architect, one needs a professional degree (masters or bachelor degree in architecture) from an accredited school of architecture.

What is the curriculum for the Bachelor of Science in Architecture?

It is a four-year undergraduate degree in architecture. Bachelor of Science in Architecture at UTA is NOT a professional degree in Architecture.

Do you offer a Minor?

The School of Architecture offers minors in History of Architecture, Environmental and Sustainable Studies, and Urban Affairs. There are numerous courses from which to select the 18 hours required for each minor.

What is the difference between a four-year degree program and a five year degree program?

Some schools offer a four-year undergraduate program in architecture leading to either a BA or a BS in architecture. This four-year degree is a "pre-professional" degree and is not adequate for a license. The student seeking a license will then continue for two more years and receive an M.Arch (a "first professional degree"), either from the same institution or at another. Often the two programs of study are interrupted by a period of professional experience. This path is often referred to as a "4 + 2" program.

Schools that offer a five-year program provide a Bachelor of Architecture (B.Arch) degree. This is a "professional degree", one that satisfies the academic requirements for a license. After earning the degree, the aspiring architect must work in a licensed office as an intern, and is then eligible to sit for the licensing exam. Five-year programs are for those who are 100% certain they want to become architects, as there is not as much of a liberal arts emphasis.

Please note that with either program, 4+2 or the five year degree program, you will study for at least 6 years if you want to obtain a Master's degree (M.Arch).

If you are interested in allied design fields, the four year architectural degree is an excellent degree with which to enter the fields such as Construction, Construction Management, Real Estate, Digital Media, or Architectural Photography.

If you would like to be involved in Interior Design, Furniture Design, Stage Design or Graphic Design, the four year professional degree in Interior Design may be more closely aligned with your interests. Students receiving a Bachelor of Science in Interior Design may subsequently enter graduate studies in pursuit of Master of Architecture degree in order to obtain dual professional degrees in Architecture and Interior Design.

How hard is the Program?

Architecture is a time consuming academic field - not harder than Medicine or Law, but hard.

UT Arlington is not an elitist institution. Intelligent effort is characteristic of our most successful students. We don't take short cuts in learning historical background, theory, or applied skills. Our students work very hard, but enjoy the work and each other immensely.

How do I to become a Registered Architect in Texas?

In the U.S there are 55 licensing boards and you must earn a license by completing your jurisdictions requirements in order to hold the title Architect. Each jurisdiction sets their own requirements for licensure however all jurisdictions have three common components: education, experience, and examination. In the State of Texas, the Texas Board of Architectural Examiners (TBAE) establishes the requirements for Architectural Licensure; the requirements for becoming a Licensed Architect are:

1. Complete an accredited professional degree from a National Architecture Accrediting Board (NAAB) program.

In substitution to an NAAB recognized architecture degree, the jurisdiction of Texas will accept an approved degree from a Canadian University certified by the Canadian Architectural Certification Board (CACB) or an approved Education Evaluation Services for Architects (EESA) evaluation of a foreign education.

2. Completion of the Architecture Experiencer Program (AXP)/Internship Development Program (IDP) governed by the National Council of Architecture Registration Board (NCARB) is a requirement in the jurisdiction of Texas.

TBAE also recognizes the substitution of an approved AXP Portfolio Review by NCARB.

3. Completion of the ARE (Architect Registration Examination).

The ARE is a multi-division exam employed to test the knowledge and skills of a candidate for licensure, as it regards to the practice of architecture, developed and maintained by NCARB. Texas will accept candidates who have passed divisions of the ARE through participation in an Integrated Path to Licensure (IPAL) program. Texas applicants for the ARE may begin testing after completion of required education, six months' approved experience of fulltime employment under the direct supervision of a registered architect and enrollment in the AXP/IDP program

What is the average salary of an Architect?

The Bureau of Labor statistics reports the median annual wage for architects was \$78, 470 (\$37.72/hr) in 2017. The best paid 10 percent in the profession made approximately \$134,610, while the bottom 10 percent made approximately \$ 47,480. The top paying States for architecture were: New York, Massachusetts, Texas, California, and Georgia. The States with the highest employment level for architectures were: California, New York, Texas, Illinois, and Florida.

Websites of interest for the Architecture Students?

- NCARB <http://www.ncarb.org/>
- TBAE <http://www.tbae.state.tx.us/>
- ARCH Daily <http://www.archdaily.com/>

Interesting Books to read:

101 Things I learned in Architecture School
Drawing with the Right Side of Your Brain

For more information, students may contact the School of Architecture Undergraduate Advisors at arch.advising@uta.edu or visit our web page; <http://www.uta.edu/architecture/>

Top 10 things a new student needs to do before school starts

1. TAKE THE THEA

THEA test scores (or proof of exemption) are not required for Admission, but are required in order to enroll in classes. More information: uac.uta.edu/THEA.htm

- ❑ University Advising Center 817-272-3140 (general THEA questions)
- ❑ Assessment Services 817-272-2362 (if you need to schedule a test date)

2. COMPLETE YOUR ADMISSIONS FILE

Make sure all FINAL transcripts (high school and college) and all other required documents have been sent to the UTA Admissions Office, First Floor Davis Hall, 817-272-6287.

3. MENINGITIS VACCINATION

- ❑ As of January 1, 2012, incoming Texas college students and students returning after an absence of at least one fall or spring semester who are under 30 years are required to submit documentation of immunization against bacterial meningitis. Students who fail to meet this requirement will be dropped from courses. http://web.uta.edu/ses/recordsandregistration/content/student_services/meningitis_requirement.aspx

4. READ THE CATALOG / VISIT DEPT. WEBSITE

The Undergraduate Catalog is your guide to the University. www.uta.edu/catalog/. You should also visit and explore your department website.

5. PLACEMENT

- ❑ You must take the Math Aptitude Test (MAT) and/or Calculus Readiness Test (CRT) in order to be able to take college level math at UTA (<http://www.uta.edu/math/pages/main/mpt.htm>). Contact the Math Department at 817-272-3261.
- ❑ Make sure Assessment Services has any AP or CLEP test scores and complete the 'Petition to Record Credit by Examination' form. Assessment Services, Second Floor Davis Hall, 817-272-2362.

Steps 1-4 should be done before you meet with an academic advisor.

6. ADVISE / ORIENTATION

Meet with your academic advisor to get approval to register. **The School of Architecture requires all new students (freshman & transfer) to attend orientation.**

- ❑ Freshmen: Contact University Advising Center advisor in Ransom Hall, 817-272-3140 for registration clearance.
- ❑ Transfer students contact the Architecture Office for advising; 817-272-2801, (arch.advising@uta.edu).
- ❑ <http://www.uta.edu/orientation/>

7. REGISTER / BUY TEXTBOOKS

Pick the days and times for your classes using the online schedule of classes: www.uta.edu/schedule, then register yourself in classes online www.uta.edu/register/. **Make sure to order a parking pass when you register if needed.** Take a copy of your class schedule to the UTA Bookstore, 400 S Pecan Street, 817-272-2785, and they can help you select the right books. Or, buy your books online at www.uta.edu/bookstore/

8. PAY

Verify your financial aid (if you applied and qualified) and pay your bill

- ❑ Financial Aid Office, Second Floor Davis Hall, 817-272-3561
- ❑ Student Accounts Office, First Floor Davis Hall OR University Center, 817-272-2172

9. IDENTIFY YOURSELF / PARKING

- ❑ Get your Student ID in the Mav Express Office, University Center, 300 W First Street, 817-272-2645.
- ❑ **All locations on campus require a parking permit.** Get your parking permit online through your student account. 817-272-3907.
<http://www.uta.edu/campus-ops/police/parking/>

10. ACTIVATE YOUR E-MAIL

All students are automatically assigned a UTA e-mail account. **Official communications are sent to this address; it is your responsibility to check it!**

Instructions available at:

<http://www.uta.edu/oit/eos/email/mavmail.php>

NAAB STUDENT PERFORMANCE CRITERIA

The program must ensure that all its graduates possess the skills and knowledge defined by the performance criteria set out below, which constitute the minimum requirements for meeting the demands of an internship leading to registration for practice.

The program must provide evidence that all its graduates have satisfied each criterion through required course work. If transfer credits are granted for courses taken at other institutions, evidence must be provided that the courses are comparable to those offered in the program.

The list of performance criteria begins with fundamental skills and knowledge, continues with technical skills and knowledge, and concludes with a focus on practice and societal roles. This sequence is intended to foster an integrated approach to learning that cuts across subject categories. These criteria encompass three levels of accomplishment.

- *Awareness*: familiarity with specific information, including facts, definitions, concepts, rules, methods, processes, or settings. Students can correctly recall information without necessarily being able to paraphrase or summarize it.
- *Understanding*: assimilation and comprehension of information. Students can correctly paraphrase or summarize information without necessarily being able to relate it to other material or see its fullest implications.
- *Ability*: skill in relating specific information to the accomplishment of tasks. Students can correctly select the information that is appropriate to a situation and apply it to the solution of specific problems.

The NAAB intends to establish performance criteria that assist programs in preparing students for the broad requirements of the profession, while also encouraging educational practices suited to the circumstances of particular programs. In addition to assessing whether student performance meets the expectations of professional education outlined by the criteria, the visiting team will also assess performance in relation to the program's stated curricular goals and content. While the NAAB stipulates the student's performance criteria that must be satisfied, it specifies neither the educational programs nor the forms of student work that may serve as evidence of having satisfied these criteria. Programs are therefore encouraged to develop unique learning and teaching strategies, methods, and materials to satisfy the criteria. The NAAB will consider innovative methods for satisfying the criteria, provided the program has a formal evaluation process for assessing student achievement of these criteria and documents the results.

The *APR* must include the following information:

- An overview of the program's curricular goals and content.
- A graphic matrix that cross-references each required course with the performance criterion(a) it fulfills.

For the purposes of accreditation, graduating students must demonstrate awareness, understanding, or ability in the following areas:

1) Verbal and Writing Skills

Ability to speak and write effectively on subject matter contained in the professional curriculum.

2) Graphic Skills

Ability to employ appropriate representational media, including computer technology, to convey essential formal elements at each stage of the programming and design process.

3) Research Skills

Ability to employ basic methods of data collection and analysis to inform all aspects of the programming and design process.

4) Critical Thinking Skills

Ability to make a comprehensive analysis and evaluation of a building, building complex, or urban space.

5) Fundamental Design Skills

Ability to apply basic organizational, spatial, structural, and constructional principles to the conception and development of interior and exterior spaces, building elements, and components.

6) Collaborative Skills

Ability to identify and assume divergent roles that maximize individual talents, and to cooperate with other students when working as members of a design team and in other settings.

- 7) **Human Behavior**
Awareness of the theories and methods of inquiry that seek to clarify the relationships between human behavior and the physical environment.
- 8) **Human Diversity**
Awareness of the diversity of needs, values, behavioral norms, and social and spatial patterns that characterize different cultures, and the implications of this diversity for the societal roles and responsibilities of architects.
- 9) **Use of Precedents**
Ability to provide a coherent rationale for the programmatic and formal precedents employed in the conceptualization and development of architecture and urban design projects.
- 10) **Western Traditions**
Understanding of the Western architectural canons and traditions in architecture, landscape, and urban design, as well as the climatic, technological, socioeconomic, and other cultural factors that have shaped and sustained them.
- 11) **Non-Western Traditions**
Awareness of the parallel and divergent canons and traditions of architecture and urban design in the non-Western world.
- 12) **National and Regional Traditions**
Understanding of the national traditions and the local regional heritage in architecture, landscape, and urban design, including vernacular traditions.
- 13) **Environmental Conservation**
Understanding of the basic principles of ecology and architects' responsibilities with respect to environmental and resource conservation in architecture and urban design.
- 14) **Accessibility**
Ability to design both site and building to accommodate individuals with varying physical abilities.
- 15) **Site Conditions**
Ability to respond to natural and built site characteristics in the development of a program and design of a project.
- 16) **Formal Ordering Systems**
Understanding of the principles of structural behavior in withstanding gravity and lateral forces, and the evolution, range, and appropriate applications of contemporary structural systems.
- 17) **Structural Systems**
Understanding of the principles of structural behavior in withstanding gravity and lateral forces, and the evolution, range, and appropriate applications of contemporary structural systems.
- 18) **Environmental Systems**
Understanding of the basic principles that inform the design of environmental systems, including acoustics, lighting and climate modification systems, and energy use.
- 19) **Life-Safety Systems**
Understanding of the basic principles that inform the design and selection of life-safety systems in buildings and their subsystems.
- 20) **Building Envelope Systems**
Understanding of the basic principles that inform the design of building envelope systems.
- 21) **Building Service Systems**
Understanding of the basic principles that inform the design of building service systems, including plumbing, electrical, vertical transportation, communication, security, and fire protection systems.
- 22) **Building Systems Integration**
Ability to assess, select, and integrate structural systems, environmental systems, life-safety systems, building envelope systems, and building service systems into building design.
- 23) **Legal Responsibilities**
Understanding of architects' legal responsibilities with respect to public health, safety, and welfare; property rights; zoning and subdivision ordinances; building codes; accessibility and other factors affecting building design, construction, and architecture practice.

- 24) Building Code Compliance**
Understanding of the codes, regulations, and standards applicable to a given site and building design, including occupancy classifications, allowable building heights and areas, allowable construction types, separation requirements, occupancy requirements, means of egress, fire protection, and structure.
- 25) Building Materials and Assemblies**
Understanding of the principles, conventions, standards, applications, and restrictions pertaining to the manufacture and use of construction materials, components, and assemblies.
- 26) Building Economics and Cost Control**
Understanding of the fundamentals of development financing, building economics, and construction cost control within the framework of a design project.
- 27) Detailed Design Development**
Ability to assess, select, configure, and detail as an integral part of the design appropriate combinations of building materials, components, and assemblies to satisfy the requirements of building programs.
- 28) Technical Documentation**
Ability to make technically precise descriptions and documentation of a proposed design for purposes of review and construction.
- 29) Comprehensive Design**
Ability to produce an architecture project informed by a comprehensive program, from schematic design through the detailed development of programmatic spaces, structural and environmental systems, life-safety provisions, wall sections, and building assemblies, as may be appropriate; and to assess the completed project with respect to the program's design criteria.
- 30) Program Preparation**
Ability to assemble a comprehensive program for an architecture project, including an assessment of client and user needs, a critical review of appropriate precedents, an inventory of space and equipment requirements, an analysis of site conditions, a review of the relevant laws and standards and an assessment of their implications for the project, and a definition of site selection and design assessment criteria.
- 31) The Legal Context of Architecture Practice**
Understanding of the evolving legal context within which architects practice, and of the laws pertaining to professional registration, professional service contracts, and the formation of design and firms and related legal entities.
- 32) Practice Organization and Management**
Awareness of the basic principles of office organization, business planning, marketing, negotiation, financial management, and leadership, as they apply to the practice of architecture.
- 33) Contracts and Documentation**
Awareness of the different methods of project delivery, the corresponding forms of service contracts, and the types of documentation required to render competent and responsible professional service.
- 34) Professional Internship**
Understanding of the role of internship in professional development, and the reciprocal rights and responsibilities of interns and employers.
- 35) Architects' Leadership Roles**
Awareness of architects' leadership roles in project execution from inception, design, and design development to contract administration, including the selection and coordination of allied disciplines, post-occupancy evaluation, and facility management.
- 36) The Context of Architecture**
Understanding of the shifts which occur – and have occurred – in the social, political, technological, ecological, and economic factors that shape the practice of architecture.
- 37) Ethics and Professional Judgment**
Understanding of the ethical issues involved in the formation of professional judgments in architects design and practice.

SCHOOL OF ARCHITECTURE INFO

WEBSITE

www.uta.edu/cappa

STUDENT ORGANIZATIONS

AIAS – American Institute of Architecture Students

IIDA - International Interior Design Association

USGBCS – US Green Builders Council Students

TSD – Tau Sigma Delta Honor Society

FACEBOOK

Stay connected to
The School of Architecture:



<http://www.facebook.com/UTArlington.Architecture>

TWITTER



@UTAarch