School of Architecture

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Tulane University
NEWCOMB-TULANE COLLEGE

GENERAL REQUIREMENTS FOR STUDENTS MATRICULATING IN ACADEMIC YEAR: 2017-2018

DEGREE: **BACHELOR OF SCIENCE**   TOTAL CREDITS:

MAJOR: ARCHITECTURE

MINIMUM CUMULATIVE GRADE POINT AVERAGE: 2.0   MINIMUM MAJOR GRADE POINT AVERAGE: 2.0

CORE CURRICULUM REQUIREMENTS			MAJOR REQUIREMENTS	
Area	**Credits**	**To Be Selected From**	**Course Name**	
First Year Writing	4	ENGL 1010 or Equivalent	DSGN 1100 Architecture Design Studio	6 hrs
TIDES – 1 course in fall semester	1-1.5		DSGN 1200 Architecture Design Studio	6 hrs
			DSGN 2100 Architecture Design Studio	6 hrs
Foreign Language – Competence at 1020-Level (1-2 courses depending on placement and language)	3-8	Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Latin, Portuguese, Russian, or Spanish	DSGN 2200 Architecture Design Studio	6 hrs
			DSGN 4100 Advanced Studio Elective^	6 hrs
			Total Design Studio:	*30 hrs*
			AHST 1110 Introduction to Architecture	3 hrs
Cultural Knowledge – 1 Humanities 1 Fine Arts	6	Courses designated Humanities and Fine Arts	AHST 3010 History/Theory of Arc & Urb I	3 hrs
			AHST 3020 History/Theory of Arc & Urb II	3 hrs
			Total History/Theory:	*9 hrs*
Cultural Knowledge – Social Science	6		**Choose Three of the Following**:	
			ATCS 3010 Site Strategies	3 hrs
Quantitative Reasoning	3-4	MATH 1150, 1210, or 1310	ATCS 3020 Materials and Methods	3 hrs
			ATCS 3030 Building, Climate, Comfort	4 hrs
Scientific Inquiry – 1 Lab Science 1 Science or Math	7-8		ATCS 4010 Structural Systems	4 hrs
			ATCS 4020 Integrated Building Systems	4 hrs
			Total Technology:	*10 hrs*
Public Service – 1st Tier 2nd Tier		1000-3000-Level Consult Major	ADGM 3100 Digital Media	3 hrs
			Total Digital Media:	*3 hrs*
			General Architecture Elective	9 hrs
Western Traditions	3	Refer to Undergraduate Core Curriculum Guide	**Major Core Requirements Total:**	**61 hrs**
Outside Western Traditions Or Comparative Cultures Intl. Perspectives	3	Refer to Undergraduate Core Curriculum Guide	The remaining **59 hours** can be coursework from a second major, coordinate major, multiple minors, or an area of concentration* within the School of Architecture. ***Requirements If pursuing an Architecture Concentration:** **^DSGN 4100 can serve as the student's Concentration Specific Studio requirement.**	
Writing Intensive	4	Consult Major	Concentration Specific Studio (DSGN 4/5100)	6 hrs
			Concentration Electives	15 hrs
			University Electives	varies

Minor Requirements:

A minor in architecture requires at *least five courses* and a **minimum of 15 hours** of course work within the School of Architecture. **The only specifically required course is Introduction to Architecture**. In addition to this introductory history course, the minor requires a minimum of two courses from the design, history/theory, and/or technology curricula. Some of these courses have prerequisites and, in order to enroll in them, minors must satisfy the prerequisites or have permission of the instructor. Students may satisfy the remainder of the credit requirement for a minor with any courses offered within the School of Architecture.

Students who wish to pursue a Bachelor of Science in Architecture with a Concentration Area should meet with the School of Architecture Major Advisor as soon as possible to determine a curriculum plan that best meets their area of interest.

- *The Degree Plan and other information provided in this booklet serve only as advising tools. Newcomb-Tulane College advisors will help advise you on the core-curriculum, decide on a major, and consult on any academic success issues.*
- *Your business coordinator will advise you on business major and minor requirements.*
- *Students with non-business majors will have more than one advisor and will need to consult with the appropriate advisor.*
- *Students with non-business minors are not assigned an advisor, but a faculty member in the department is designated to advise minors.*
- *Become familiar with your major! By declaring early, you have access to a major advisor, are able to enroll in "majors only" classes, and are included in list serves that allow you to receive information about events, internships, and other opportunities.*
- *Pre-med and Pre-law students should also consult with one of the Pre-Professional advisors.*

GENERAL INFORMATION
• The Architecture Bachelor of Science is a pre-professional program and is an excellent platform for working in the profession and future graduate studies in architecture and associated fields.
• To become a licensed architect, one must receive a professional (Bachelor of Architecture or Master of Architecture) degree from an accredited school of architecture, complete an internship period, and pass a licensing examination.
• Architecture involves much more than designing buildings. Students should consider talking to architects or visiting their offices to learn more about the field.
• Students of architecture should able to conceptualize and understand spatial relations and be detail-oriented.
• Oral and graphic communications skills are important, particularly when working with clients, construction firms or government officials. Good writing skills are valuable for developing architectural proposals.
• Computer Aided Design and Drafting (CADD) and other computer technologies are prevalent in the field of architecture. Students should develop as many computer skills as possible.
• One third of architects are self-employed as either partners or running their own firms. Most architects work in firms of fewer than five people. There are also large firms that employ hundreds of professionals.
• Related fields include: graphic design, interior design, industrial planning, real estate development, civil engineering, historic preservation, and construction management.
• Some architects specialize in a particular building type; other architects may specialize in a certain function of the firm, such as project management or specification writing. Graduate study in the field may be helpful for specializing.
• Areas of specialization include: historic preservation/renovation, landscape architecture, healthcare facilities, sports facilities, educational facilities, urban design, master planning, interior design, and real estate development.
• Students should design a portfolio to use when interviewing. Include freehand drawings, final drawings by hand and computer, process sketches, photos of study models and finished models, a sample of writing, and work from technical courses.

SKILLS
• Time and self-management skills
• Design skills
• High proficiency in graphic and oral presentation skills
• Extensive critical thinking skills
• Identify and predict trends and patterns
• Interpret and evaluate events, information and ideas
• Ability to operate design-based computer programs
• Ability to utilize creativity in problem solving
• Ability to conceptualize and understand spatial relationships

• Ability to work collaboratively, both with peers and the community
• Understanding of the importance of combining utility with aesthetics
• Negotiation skills
• Project management and leadership skills
• Ability to utilize three-dimensional reasoning
• Business development and decision-making skills
• Marketing and brand identity skills

CAREER AREAS	EMPLOYERS

RESIDENTIAL ARCHITECTURE
• Multiple-Unit Residential
• Single Family Residential
• Senior/Assisted Living
• Remodeling/Renovations
• Landscape Design

• Architecture firms
• Real estate developers
• Preservation organizations
• Construction firms
• Individual homeowners
• Self-employed

COMMERCIAL ARCHITECTURE
• Commercial building design (office buildings, factories, laboratories, malls, schools, etc.)
• Government design projects (schools, colleges, government facilities, military facilities, libraries, hospitals, recreational facilities, churches, museums, etc.)

• Architecture firms
• Government departments and agencies (federal, state, local)
• Large corporations
• Manufacturers
• Preservation organizations
• Research institutions
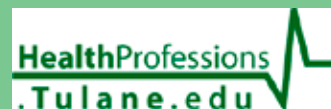• Self-employed
• Transportation companies

What Can I Do with a Major in…
Architecture BS

EDUCATION
• Teaching
• Research
• Part-time instruction
• Special Collections Libraries

• Colleges and universities
• Trade / tech schools

RELATED PROFESSIONS
• Urban Planning
• Real Estate Development
• Contracting
• Property Assessment
• Landscape Design
• Interior Design
• Architectural Engineering
• Consulting
• Facilities Management
• Product Development/Marketing
• Law
• Insurance Liability
• Writing

• Federal, state, local government
• Real estate firms
• Developers
• Contractors
• Self-employed
• Architecture firms
• Design firms
• Engineering firms
• Corporations
• Architecture departments
• Law firms
• Preservation organizations

PROFESSIONAL ORGANIZATIONS

American Architectural Foundation
www.archfoundation.org

American Collegiate Schools of Architecture
www.acsa-arch.org

The American Institute of Architects
www.aia.org

The American Institute of Architecture Students
www.aias.org

American Society of Landscape Architects
www.asla.org

Association of Architecture Organizations
www.aaonetwork.org

National Council of Architectural Registration Boards
www.ncarb.org

National Organization of Minority Architects
www.noma.net

RELATED WEBSITES & ASSOCIATIONS

AIA Career Center
careercenter.aia.org/jobseekers

Archinect Jobs
archinect.com/jobs

Design Intelligence
www.di.net

Journal of Architectural Education
www.acsa-arch.org/acsa-press/journal-of-architectural-education

National Architectural Accrediting Board
www.naab.org

National Building Museum
www.nbm.org