

DEPARTMENT OF ARCHITECTURE

The Department of Architecture offers the Bachelor of Science degree in Architecture and the Bachelor of Science degree in Interior Design. Both degree programs include a common Foundation Year of studies and students remain as pre-majors or Architecture, Construction and Planning Studies majors until the completion of the Foundation Year required coursework and successful passage through the Foundation Year Gateway.

Admission Policy

Direct Admission Criteria

Applicants entering UTSA as Freshmen will be directly admitted to the Department of Architecture until April 1st if they:

- meet all UTSA undergraduate admission requirements, and
- are ranked in the top 10 percent of their high school class (no minimum SAT or ACT scores required), *or*
- are ranked in the top 25 percent of their high school class and have a minimum 1220 SAT* or 25 ACT score.

Freshmen in good standing at their high school class with a minimum 1170 SAT* or 24 ACT score may go through a Department Comprehensive Review to determine direct admission.

After April 1st, all applicants will go through a Department Comprehensive Review.

** New SAT scores combine Evidence-Based Reading and Writing and Math.*

Admission Criteria for Transfer Students

Students who wish to transfer from another institution into either of the two undergraduate degree programs (Architecture or Interior Design) in the Department of Architecture are required to submit an application package that includes their cumulative grade point average, and a letter of interest.

Transfer students with less than 30 transferable semester credit hours must:

- meet all UTSA undergraduate transfer admission requirements, and
- have a minimum transfer grade point average (GPA) of 3.0.

Transfer students with 30 or more transferable semester credit hours must:

- meet all UTSA undergraduate transfer admission requirements,
- have a minimum transfer GPA of 3.0, and
- go through a portfolio review.

Students with architecture or interior design coursework are required to submit a portfolio of studio work (bound, maximum size 8.5 inches by 11 inches) until April 15th that will be used for studio placement. Students wishing to apply for transfer course substitutions will be required to submit course syllabi for those courses for Departmental review. Application packages and portfolios should be sent directly to the Department of Architecture. Transfer applicants placed into the first year will be required to complete the Foundation Year Program and apply for either the Architecture or Interior Design major as described below.

Freshmen students who do not meet the above requirements, but meet UTSA's general admission requirements will be part of "Exploratory Studies" where students will be able to work towards meeting the prerequisites needed to declare Architecture or Interior Design as their major.

Transfer students who do not meet the above requirements, but meet UTSA's general admission requirements will be placed in Multidisciplinary Studies (<http://catalog.utsa.edu/undergraduate/universitycollege/#degreestext>) where students will be able to work towards a bachelor's degree.

Change of Major

Students currently enrolled in UTSA who wish to change majors to one of the two undergraduate academic majors within the Department of Architecture must submit a Change of Major application to the Department of Architecture until April 15th. Departmental application decisions are made at least once per year in June, but the Department reserves the right to render decisions at any time. Change of major students must include their grade point average and a letter of interest in their application package. Students with architectural or interior design coursework beyond the freshman level are required to submit a portfolio of studio work (bound, maximum size 8.5 inches by 11 inches) that will be used for studio placement. Students wishing to apply for course substitutions will be required to submit course syllabi for those courses for Departmental review. Portfolios should be sent directly to the Department of Architecture. Change of Major applicants placed into the first year will be required to complete the Foundation Year Program and apply for either the Architecture or Interior Design major as described below.

Foundation Year Program (FYP) / Admission to the Major in Architecture or Interior Design

Students must successfully complete the common Foundation Year Program (FYP), consisting of 16 semester credit hours, in order to be eligible to apply for the FYP Gateway review process and subsequent admission into either the Bachelor of Science in Architecture major (ARC) or Bachelor of Science in Interior Design major (IDE). Students are strongly advised to complete the additional 15 credit hours of Core Curriculum courses in their first year of studies as well.

Students who have completed the FYP must submit a Gateway Application (an application to the major) by the first Monday in May for review and consideration for admission to the major of choice (ARC or IDE). Applications are available on the Department website. FYP Gateway reviews are conducted at the conclusion of each Spring semester. Available openings within both the ARC and IDE majors are limited and, therefore, entry into each is competitive. Students not accepted into either of the two majors within the Department of Architecture in their first year of application will remain in the University College and will be eligible to reapply the following year. A student may reapply only once.

The Foundation Year Program *requires* the completion of the following courses (16 semester credit hours):

| | | |
|----------|---------------------------------------|---|
| ARC 1113 | Introduction to the Built Environment | 3 |
| ARC 1213 | Design I | 3 |
| ARC 1224 | Design II | 4 |
| ARC 1313 | Design Visualization | 3 |

| | | |
|--------------------|---|----|
| ARC 1513 | Great Buildings and Cities of the World | 3 |
| Total Credit Hours | | 16 |

The Foundation Year Program strongly *recommends* the completion of the following Core Curriculum courses (15 semester credit hours):

| | | |
|---|---|----|
| AIS 1213 | AIS: Architecture, Construction, and Planning | 3 |
| WRC 1013 | Freshman Composition I | 3 |
| WRC 1023 | Freshman Composition II | 3 |
| Mathematics Core Course (MAT 1023, MAT 1053, or MAT 1073) | | 3 |
| Life and Physical Sciences Core Course (ES 2013, GEO 1013, or PHY 1943) | | 3 |
| Total Credit Hours | | 15 |

Laptop Program

The laptop program requires that students entering both the Bachelor of Science in Architecture and the Bachelor of Science in Interior Design programs have their own laptop (notebook) computers and required software. Digital technology will be integrated into the studio work and will be necessary in order to fulfill project requirements. The computer should be upgradeable in order to be of productive use for the duration of the academic program.

Student Work

The Department of Architecture reserves the right to retain, exhibit, and reproduce work submitted by students. Work submitted for grading is the property of the College of Architecture, Construction and Planning and remains such until it is returned to the student.

- B.S. Degree in Architecture (p. 2)
- B.S. Degree in Interior Design (p. 4)

Bachelor of Science Degree in Architecture

The Bachelor of Science (B.S.) in Architecture is a four-year pre-professional degree. The minimum number of semester credit hours required for the degree, including Core Curriculum requirements, is 121, at least 39 of which must be at the upper-division level. Students are advised to complete the B.S. in Architecture coursework in the order indicated in the "Recommended Curriculum" issued by the Department of Architecture for their catalog year.

The B.S. in Architecture is a program that provides students with the opportunity to prepare for the continuation of studies in a professional graduate program to earn a Master of Architecture (M.Arch.) degree. Completion of the B.S. in Architecture degree allows the graduate to pursue limited architectural practice but does not, in itself, fully prepare the graduate for architectural licensure. Students in the B.S. in Architecture program are advised that the certification for architectural registration and professional practice by the National Council of Architectural Registration Boards (NCARB) requires, in virtually all cases, an accredited professional degree and broad architectural education such as that provided by the Master of Architecture (M.Arch.) program at UTSA.

In the United States, most 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 professional degree programs in

architecture offered by institutions with U.S. regional accreditation, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted an eight-year, three-year, or two-year term of accreditation, depending on the extent of its conformance with established educational standards.

Doctor of Architecture and Master of Architecture degree programs may require a preprofessional undergraduate degree in architecture for admission. However, the preprofessional degree is not, by itself, recognized as an accredited degree.

The University of Texas at San Antonio, Department of Architecture offers the following NAAB-accredited degree programs:

M.Arch. 2 (preprofessional degree + 52 graduate credits)

M.Arch. 3 (non-preprofessional degree + 92 credits)

Next accreditation visit for all programs: 2024

All candidates seeking this degree must fulfill the Core Curriculum requirements and the degree requirements.

Core Curriculum Requirements (42 semester credit hours)

Students seeking the B.S. degree in Architecture must fulfill University Core Curriculum requirements in the same manner as other students. The courses listed below satisfy both degree requirements and Core Curriculum requirements; however, if these courses are taken to satisfy both requirements, then students may need to take additional courses in order to meet the minimum number of semester credit hours required for this degree.

MAT 1023¹, MAT 1053 or MAT 1073¹ may be used to satisfy the core requirement in Mathematics.

One of the following courses should be used to satisfy the second core requirement in Life and Physical Sciences: GES 2613, GEO 1013², ES 2013 and ES 2023²

In addition to AIS 1213, ARC 1113 should be used to satisfy the core requirement in Language, Philosophy and Culture. ARC 2413 should be used to satisfy the core requirement in Creative Arts. ARC 1513 should be used to satisfy the Component Area Option requirement.

ANT 1013, ECO 2003, EGR 1343, GES 1013, GES 2623, or SOC 1013 should be used to satisfy the core requirement in Social and Behavioral Sciences.

- 1 Students who may anticipate either a dual major with Construction Science and Management (CSM) or change of major to the CSM program should note that MAT 1023 and MAT 1073 will not count toward the CSM degree.
- 2 Students who may anticipate either a dual major with CSM or change of major to the CSM program should note that GEO 1013 and ES 2023 will count towards the CSM degree.

Core Curriculum Component Area Requirements (<http://catalog.utsa.edu/undergraduate/bachelorsdegreeregulations/degree requirements/corecurriculumcomponentarearequirements/>)

| | |
|-----------------------------------|---|
| First Year Experience Requirement | 3 |
| Communication | 6 |
| Mathematics | 3 |

| | |
|----------------------------------|-----------|
| Life and Physical Sciences | 6 |
| Language, Philosophy and Culture | 3 |
| Creative Arts | 3 |
| American History | 6 |
| Government-Political Science | 6 |
| Social and Behavioral Sciences | 3 |
| Component Area Option | 3 |
| Total Credit Hours | 42 |

Gateway Courses

Students pursuing the B.S. degree in Architecture must successfully complete each of the following Gateway Courses with a grade of "C-" or better in no more than two attempts. A student who is unable to successfully complete these courses within two attempts, including dropping a course with a grade of "W" or taking an equivalent course at another institution, will be required to change his or her major.

| | |
|----------|--|
| ARC 2133 | Principles of Architectural Structures |
| ARC 2156 | Drawing and Modeling Studio |
| ARC 2166 | Digital Design Studio |
| ARC 2233 | Principles of Environmental Systems |

Degree Requirements

A. Foundation Year Program

1. 16 semester credit hours of required courses completed with a grade of "C-" or better in each course:

| | | |
|----------|---|---|
| ARC 1113 | Introduction to the Built Environment | 3 |
| ARC 1213 | Design I | 3 |
| ARC 1224 | Design II | 4 |
| ARC 1313 | Design Visualization | 3 |
| ARC 1513 | Great Buildings and Cities of the World | 3 |

B. Architecture Program sequence

1. 42 semester credit hours of required architectural courses. Must be completed with a grade of "C-" or better in each course:

| | | |
|----------|--|---|
| ARC 2133 | Principles of Architectural Structures | 3 |
| ARC 2156 | Drawing and Modeling Studio | 6 |
| ARC 2166 | Digital Design Studio | 6 |
| ARC 2233 | Principles of Environmental Systems | 3 |
| ARC 2413 | History of Architecture I | 3 |
| ARC 2423 | History of Architecture II | 3 |
| ARC 3433 | Topics in Architecture and Thought | 3 |
| ARC 3613 | History of Modern Architecture | 3 |
| ARC 4183 | Environmental Systems | 3 |
| ARC 4283 | Architectural Structures | 3 |
| CSM 2113 | Construction Materials and Methods | 3 |

3 semester credit hours of an upper-division elective 3

2. 12 semester credit hours of required upper-division design studios. 12
Must be completed with a grade of "C-" or better in each course.

| | | |
|--|-----------------------------------|---|
| ARC 4156 | Building Design Studio (repeated) | 3 |
| 3. 6 semester credit hours of Study Abroad Studio: | | 6 |
| ARC 4816 | International Studies Studio | 6 |
| 4. 6 semester credit hours of Systems Studio: | | 6 |
| ARC 4246 | Systems Studio | 6 |
| 5. 6 semester credit hours of international studies coursework | | 6 |

| | | |
|---------------------------|---|-----------|
| ARC 4833 | International Studies Drawing Seminar | |
| ARC 4843 | International Studies History Seminar or ARC 4823 International Studies Theory Seminar | |
| Total Credit Hours | | 88 |

B.S. in Architecture – Recommended Four-Year Academic Plan

First Year

| Fall | | Credit Hours |
|--|--|--------------|
| Foundation Year (Pre-Architecture/PRA) | | |
| AIS 1213 | AIS: Architecture, Construction, and Planning (core) | 3 |
| ARC 1113 | Introduction to the Built Environment (core and major) | 3 |
| ARC 1213 | Design I | 3 |
| ARC 1313 | Design Visualization | 3 |
| WRC 1013 | Freshman Composition I (core) | 3 |
| Credit Hours | | 15 |

Spring

| | | |
|--|--|----|
| ARC 1224 | Design II | 4 |
| ARC 1513 | Great Buildings and Cities of the World (core and major) | 3 |
| WRC 1023 | Freshman Composition II (core) | 3 |
| Mathematics core | | 3 |
| Life & Physical Sciences core | | 3 |
| GATEWAY TO MAJOR (Requires Application and Acceptance) | | |
| Credit Hours | | 16 |

Second Year

| Fall | | Credit Hours |
|-------------------------|---|--------------|
| ARC 2133 | Principles of Architectural Structures | 3 |
| ARC 2156 or ARC 2166 | Drawing and Modeling Studio or Digital Design Studio | 6 |
| ARC 2413 | History of Architecture I (core and major) | 3 |
| CSM 2113 | Construction Materials and Methods | 3 |
| Credit Hours | | 15 |

Spring

| | | |
|-----------------------------------|---|----|
| ARC 2166 or ARC 2156 | Digital Design Studio or Drawing and Modeling Studio | 6 |
| ARC 2233 | Principles of Environmental Systems | 3 |
| ARC 2423 | History of Architecture II | 3 |
| Social & Behavioral Sciences core | | 3 |
| Credit Hours | | 15 |

Third Year

| Fall | | Credit Hours |
|---|---------------------------------------|--------------|
| International Studies Semester (Fall or Spring) | | |
| ARC 4816 | International Studies Studio | 6 |
| ARC 4833 | International Studies Drawing Seminar | 3 |

| | | |
|-----------------------------------|--|-----|
| ARC 4843 or ARC 4823 | International Studies History Seminar or International Studies Theory Seminar | 3 |
| Credit Hours | | 12 |
| Spring | | |
| ARC 3613 | History of Modern Architecture | 3 |
| ARC 4156 | Building Design Studio | 6 |
| American History core | | 3 |
| Government-Political Science core | | 3 |
| Credit Hours | | 15 |
| Fourth Year | | |
| Fall | | |
| ARC 3433 | Topics in Architecture and Thought | 3 |
| ARC 4156 | Building Design Studio | 6 |
| ARC 4183 | Environmental Systems | 3 |
| Government-Political Science core | | 3 |
| Upper-division Elective | | 3 |
| Credit Hours | | 18 |
| Spring | | |
| ARC 4246 | Systems Studio | 6 |
| ARC 4283 | Architectural Structures | 3 |
| American History core | | 3 |
| Life & Physical Sciences core | | 3 |
| Credit Hours | | 15 |
| Total Credit Hours | | 121 |

Two of the following courses should be used to satisfy the core requirement in Life and Physical Sciences: ES 2013, ES 2023², GEO 1013² or GES 2613

In addition to AIS 1213, ARC 1113 should be used to satisfy the core requirement in Language, Philosophy and Culture. ARC 2413 should be used to satisfy the core requirement in Creative Arts. ARC 1513 should be used to satisfy the Component Area Option requirement.

ANT 1013, ECO 2003, EGR 1343, GES 1013, GES 2623, or SOC 1013 should be used to satisfy the core requirement in Social and Behavioral Sciences.

- 1 Students who may anticipate either a dual major with Construction Science and Management (CSM) or change of major to the CSM program should note that MAT 1023 and MAT 1073 will not count toward the CSM degree.
- 2 Students who may anticipate either a dual major with CSM or change of major to the CSM program should note that GEO 1013 and ES 2023 will count towards the CSM degree.

Core Curriculum Component Area Requirements (<http://catalog.utsa.edu/undergraduate/bachelorsdegreeregulations/degreerequirements/corecurriculumcomponentarearequirements/>)

| | |
|-----------------------------------|----|
| First Year Experience Requirement | 3 |
| Communication | 6 |
| Mathematics | 3 |
| Life and Physical Sciences | 6 |
| Language, Philosophy and Culture | 3 |
| Creative Arts | 3 |
| American History | 6 |
| Government-Political Science | 6 |
| Social and Behavioral Sciences | 3 |
| Component Area Option | 3 |
| Total Credit Hours | 42 |

Gateway Courses

Students pursuing the B.S. degree in Interior Design must successfully complete each of the following Gateway Courses with a grade of "C-" or better in no more than two attempts. A student who is unable to successfully complete these courses within two attempts, including dropping a course with a grade of "W" or taking an equivalent course at another institution, will be required to change his or her major.

| | |
|----------|--------------------------------------|
| ARC 2156 | Drawing and Modeling Studio |
| ARC 2166 | Digital Design Studio |
| IDE 2143 | Architecture and Interior Assemblies |
| IDE 2153 | Interior Materials and Assemblies |

Degree Requirements

A. Foundation Year Program

| | | |
|---|--|---|
| 16 semester credit hours of required courses completed with a grade of "C-" or better in each course: | | |
| ARC 1113 | Introduction to the Built Environment (core and major) | 3 |
| ARC 1213 | Design I | 3 |
| ARC 1224 | Design II | 4 |
| ARC 1313 | Design Visualization | 3 |

Bachelor of Science Degree in Interior Design

The Bachelor of Science (B.S.) in Interior Design is a four-year Council for Interior Design Accreditation (CIDA) accredited professional degree. The minimum number of semester credit hours required for the degree, including Core Curriculum requirements, is 124, at least 42 of which must be at the upper-division level. Students are advised to complete the B.S. in Interior Design degree coursework in the order indicated within the "Recommended Curriculum" issued by the College of Architecture, Construction and Planning for their catalog year.

All candidates seeking this degree must fulfill the Core Curriculum requirements and the degree requirements.

Core Curriculum Requirements (42 semester credit hours)

Students seeking the B.S. degree in Interior Design must fulfill University Core Curriculum requirements in the same manner as other students. The courses listed below satisfy both degree requirements and Core Curriculum requirements; however, if these courses are taken to satisfy both requirements, then students may need to take additional courses in order to meet the minimum number of semester credit hours required for this degree.

MAT 1023¹, MAT 1043, MAT 1053, or MAT 1073¹ may be used to satisfy the core requirement in Mathematics.

| | | |
|----------|--|---|
| ARC 1513 | Great Buildings and Cities of the World (core and major) | 3 |
|----------|--|---|

B. Interior Design Program sequence

75 semester credit hours of required courses completed with a grade of "C-" or better in each course:

| | | |
|-------------|--|---|
| ARC 2156 | Drawing and Modeling Studio | 6 |
| ARC 2166 | Digital Design Studio | 6 |
| ARC 2233 | Principles of Environmental Systems | 3 |
| ARC 2413 | History of Architecture I (core and major) | 3 |
| ARC 4183 | Environmental Systems | 3 |
| IDE 2143 | Architecture and Interior Assemblies | 3 |
| IDE 2153 | Interior Materials and Assemblies | 3 |
| IDE 2263 | Color Theory and Behavior | 3 |
| IDE 2413 | History of Interior Architecture I | 3 |
| IDE 2423 | History of Interior Architecture II | 3 |
| IDE 3123 | Space Planning and Interior Details | 3 |
| IDE 3236 | Interior Design Studio I | 6 |
| IDE 3246 | Interior Design Studio II | 6 |
| IDE 4233 | Computer Projects in Design | 3 |
| IDE 4266 | Systems Integration Studio | 6 |
| IDE 4513 | Practice and Ethics | 3 |
| IDE 4816 | International Studies Studio | 6 |
| or IDE 4956 | Special Studies in Interior Architecture | |
| IDE 4823 | International Studies Theory Seminar | 3 |
| IDE 4833 | International Studies Drawing Seminar (or upper-division elective) | 3 |

Total Credit Hours 91

B.S. in Interior Design – Recommended Four-Year Academic Plan

First Year

| | | Credit Hours |
|---|--|--------------|
| Fall | | |
| Foundation Year (Pre-Interior Design/PRI) | | |
| AIS 1213 | AIS: Architecture, Construction, and Planning (core) | 3 |
| ARC 1113 | Introduction to the Built Environment (core and major) | 3 |
| ARC 1213 | Design I | 3 |
| ARC 1313 | Design Visualization | 3 |
| WRC 1013 | Freshman Composition I (core) | 3 |
| | | 15 |

Spring

| | | |
|--|--|---|
| ARC 1224 | Design II | 4 |
| ARC 1513 | Great Buildings and Cities of the World (core and major) | 3 |
| WRC 1023 | Freshman Composition II (core) | 3 |
| Mathematics core | | 3 |
| Life & Physical Sciences core | | 3 |
| GATEWAY TO MAJOR (Requires Application and Acceptance) | | |

Credit Hours 16

Second Year

Fall

| | | |
|-----------------------------------|---|----|
| ARC 2156 or ARC 2166 | Drawing and Modeling Studio or Digital Design Studio | 6 |
| ARC 2233 | Principles of Environmental Systems | 3 |
| ARC 2413 | History of Architecture I (core and major) | 3 |
| IDE 2143 | Architecture and Interior Assemblies | 3 |
| Social & Behavioral Sciences core | | 3 |
| Credit Hours | | 18 |

Spring

| | | |
|-------------------------|---|----|
| ARC 2166 or ARC 2156 | Digital Design Studio or Drawing and Modeling Studio | 6 |
| IDE 2153 | Interior Materials and Assemblies | 3 |
| IDE 2263 | Color Theory and Behavior | 3 |
| IDE 2413 | History of Interior Architecture I | 3 |
| Credit Hours | | 15 |

Third Year

Fall

| | | |
|-----------------------------------|-------------------------------------|----|
| IDE 2423 | History of Interior Architecture II | 3 |
| IDE 3123 | Space Planning and Interior Details | 3 |
| IDE 3236 | Interior Design Studio I | 6 |
| American History core | | 3 |
| Government-Political Science core | | 3 |
| Credit Hours | | 18 |

Spring

| | | |
|-----------------------|-----------------------------|----|
| ARC 4183 | Environmental Systems | 3 |
| IDE 3246 | Interior Design Studio II | 6 |
| IDE 4233 | Computer Projects in Design | 3 |
| American History core | | 3 |
| Credit Hours | | 15 |

Fourth Year

Fall

| | | |
|--------------|---------------------------------------|----|
| IDE 4816 | International Studies Studio | 6 |
| IDE 4823 | International Studies Theory Seminar | 3 |
| IDE 4833 | International Studies Drawing Seminar | 3 |
| Credit Hours | | 12 |

Spring

| | | |
|-----------------------------------|----------------------------|-----|
| IDE 4266 | Systems Integration Studio | 6 |
| IDE 4513 | Practice and Ethics | 3 |
| Government-Political Science core | | 3 |
| Life & Physical Sciences core | | 3 |
| Credit Hours | | 15 |
| Total Credit Hours | | 124 |

Architecture (ARC) Courses

ARC 1113. Introduction to the Built Environment. (3-0) 3 Credit Hours. (TCCN = ARCH 1311)

Prerequisites: Completion of or concurrent enrollment in ARC 1213 and ARC 1313. An introduction to the design and construction of the built environment. Includes consideration of professional practice, ethics, interior design, landscape architecture, planning, urbanism and construction. May be applied toward the core curriculum requirement in Language, Philosophy and Culture. (Formerly COA 1113. Credit cannot be earned for both ARC 1113 and COA 1113). Course Fees: LRC1 \$12; SAP1 \$25; STSA \$15.

ARC 1133. Construction Material and Concepts. (3-0) 3 Credit Hours.

Introduction to concepts and skills fundamental to structure, construction, building enclosure, sustainability, and interior environments. Analysis and selection of materials, components, and assemblies. Introduction to the historic role of materials in architectural and interior design. (Formerly ARC 2213 and COA 1133. Credit cannot be earned for ARC 1133 and either ARC 2213 or COA 1133.) Course Fees: SAP1 \$25; STSA \$15.

ARC 1151. Introduction to Architecture and Design. (1-0) 1 Credit Hour.

A lecture course introducing ideas and concepts associated with architectural and interior design. Course Fees: SAP1 \$25; STSA \$5.

ARC 1213. Design I. (0-8) 3 Credit Hours. (TCCN = ARCH 1303)

Introduction to design through a focus on design literacy and the creative conceptualization through direct engagement with materials and processes of making. Introduction to architectural design processes, materials, precedents, and architectural ideas. Projects investigate basic issues fundamental to design and experience of human environments. (Formerly ARC 1214 and COA 1213. Credit cannot be earned for more than one of the following: ARC 1214, ARC 1213, or COA 1213.) Course Fees: SAP1 \$25; STSA \$15.

ARC 1224. Design II. (1-8) 4 Credit Hours.

Prerequisites: ARC 1213 and ARC 1313. Introduction to design as a broadly creative process that stresses creative and conceptual development through representational visualization. Explores the role of spatial experience, context, program, architectural form, circulation, elements, materials, human factors, color, and light in the design of human environments. Introduction to spatial types and ordering systems, architectural precedents, architectural conventions, and critical thought pertaining to design of the built environment. Includes a weekly lecture. (Formerly ARC 1223. Credit cannot be earned for both ARC 1223 and ARC 1224.) Course Fees: SAP1 \$25; STSA \$15.

ARC 1313. Design Visualization. (0-8) 3 Credit Hours.

Prerequisites: Completion of or concurrent enrollment in ARC 1113 and ARC 1213. Introductory exploration of graphic processes and techniques utilized in the design and construction of the built environment for the representation, visualization, analysis, and presentation of the designed environment. (Formerly COA 1313. Credit cannot be earned for both ARC 1313 and COA 1313.) Course Fees: SAP1 \$25; STSA \$15.

ARC 1513. Great Buildings and Cities of the World. (3-0) 3 Credit Hours.

Introducing buildings and places that exemplify timeless architectural concepts and design strategies considered enduring contributions to the cultural heritage of the world. Examples from Africa, Asia, Europe, and the Americas are presented within the context of diverse cultures and express a variety of different aesthetic, political, and religious values. The course draws from diverse sources from high culture and vernacular sources span from antiquity to the present. May be applied toward the core curriculum requirement in Creative Arts. Course Fees: LRC1 \$ 12; SAP1 \$25; STSA \$15.

ARC 2133. Principles of Architectural Structures. (3-0) 3 Credit Hours.

Prerequisite: Enrollment as an ARC or IDE major. An introduction to the principles of architectural structures as related to architectural design. Includes consideration of spatial, structural, and aesthetic issues of building structural systems, and introduces structural behavior, forces and responses in structural systems. Course Fees: DL01 \$75; SAP1 \$25; STSA \$15.

ARC 2156. Drawing and Modeling Studio. (0-14) 6 Credit Hours.

Prerequisite: Enrollment as an ARC or IDE major. Architectural design through the agency of model building and drawing. Course focuses on the design of buildings (including consideration of structure, material, space, and form) responsive to the site and context. Course Fees: SAP1 \$25; STSA \$30.

ARC 2166. Digital Design Studio. (0-14) 6 Credit Hours.

Prerequisites: Enrollment as an ARC or IDE major. Architectural design through the agency of digital design media. Course focuses on the design of buildings (including consideration of structure, material, space, and form) responsive to the site and context. Course Fees: SAP1 \$25; STSA \$30.

ARC 2233. Principles of Environmental Systems. (3-0) 3 Credit Hours.

Prerequisite: Enrollment as an ARC or IDE major. Introduction to the design of environmentally responsive buildings and the natural and artificial systems that support them. Includes consideration of topics such as, embodied energy, active and passive heating and cooling, indoor air quality, solar orientation, daylighting and artificial illumination, acoustics, and building services systems. Course Fees: SAP1 \$25; STSA \$15.

ARC 2413. History of Architecture I. (3-0) 3 Credit Hours. (TCCN = ARCH 1301)

Introduction to the history of architecture, urbanism, and material culture from prehistory to the 15th century. Explores the varied ways in which architecture reflects and shapes social, religious, and political concerns in the Western and non-Western world. May be applied toward the core curriculum requirement in Creative Arts. Generally offered: Fall, Spring. Course Fees: LRC1 \$12; SAP1 \$25; STSA \$15.

ARC 2423. History of Architecture II. (3-0) 3 Credit Hours. (TCCN = ARCH 1302)

Introduction to the history of architecture, urbanism, and material culture from the 15th to the 20th century. Explores the varied ways in which architecture reflects and shapes social, religious, and political concerns in the Western and non-Western world. Generally offered: Spring. Course Fees: SAP1 \$25; STSA \$15.

ARC 2513. Digital Design Media. (2-2) 3 Credit Hours.

Prerequisites: Enrollment as an ARC or IDE major and consent of instructor. Introduction to 2-dimensional and 3-dimensional digital design media. Addresses design skills, principles, techniques, procedures, and knowledge of how digital media impacts the design process, profession, and design culture. Generally offered: Fall. Course Fees: SAP1 \$25; STSA \$15.

ARC 3113. Advanced Design Visualization. (0-6) 3 Credit Hours.

Prerequisite: Enrollment as an Architecture or an Interior Design major or permission of instructor. Advanced exploration of graphic processes and techniques utilized in the design and construction of built environment for the representation, analysis, visualization, and/or presentation of the designed environment. May be repeated for credit when topics vary. Generally offered: Fall, Spring. Course Fees: SAP1 \$25; STSA \$15.

ARC 3433. Topics in Architecture and Thought. (3-0) 3 Credit Hours.

Prerequisites: Enrollment as an Architecture or Interior Design major and consent of instructor. A lecture/seminar course that provides students the opportunity to explore a variety of architectural ideas, concepts, theories, approaches, or topics related to architectural design. May be repeated for credit when topics vary. Generally offered: Fall, Spring. Course Fees: DL01 \$75; SAP1 \$25; STSA \$15.

ARC 3613. History of Modern Architecture. (3-0) 3 Credit Hours.

Prerequisites: WRC 1013 and WRC 1023. Study of the social, aesthetic, theoretical, technical, cultural, and professional forces that form, shape, and communicate modern architecture. Completion of ARC 2413 and ARC 2423 is recommended for Architecture and Interior Design majors. Generally offered: Fall, Spring. Course Fees: SAP1 \$25; STSA \$15.

ARC 4143. Architecture Topics. (3-0) 3 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166 or consent of instructor. A course exploring issues in architecture. May be repeated for credit when topics vary. Course Fees: SAP1 \$25; STSA \$15.

ARC 4156. Building Design Studio. (0-14) 6 Credit Hours.

Prerequisites: ARC 2156, ARC 2166, and ARC 2233. Architectural design with emphasis on building technology, materials, assemblies, tectonics, structure, environmental systems, and the inter-relationship of building and environment. Course may be repeated for credit. No more than 24 credit hours of ARC 4156 may count towards the degree. Course Fees: SAP1 \$25; STSA \$30.

ARC 4183. Environmental Systems. (2-2) 3 Credit Hours.

Prerequisites: ARC 2156, ARC 2166, and ARC 2233. Advanced issues in the design of environmentally responsive buildings and the natural and artificial systems that support them, such as embodied energy, active and passive heating and cooling, indoor air quality, solar orientation, daylighting and artificial illumination, acoustics, and building services systems. Includes the use of appropriate performance assessment tools. Course Fees: SAP1 \$25; STSA \$15.

ARC 4213. Furniture Design and Construction. (0-8) 3 Credit Hours.

Prerequisite: ARC 2156, ARC 2166, or consent of instructor. Focuses on essential elements of furniture design and construction, emphasizing relations to architectural space, human factors, and the use of materials, connections, and finishes. Course Fees: SAP1 \$25; STSA \$15.

ARC 4223. Topics in Design Computing. (2-2) 3 Credit Hours.

Prerequisite: ARC 2513 or consent of instructor. Theory-based seminar course exploring critical, spatial and philosophical issues relative to the impact of digital technologies within the field of architecture. Involves some usage of 2-D and 3-D digital media. Course Fees: SAP1 \$25; STSA \$15.

ARC 4233. Computer Projects in Design. (2-2) 3 Credit Hours.

Prerequisite: ARC 2513 or consent of instructor. Project-driven lecture/laboratory course exploring advanced issues associated with 3-D modeling, animation, photo-realistic visualization, and computer-aided manufacturing. Considers the role these processes play in architectural and interior design. (Same as IDE 4233. Credit cannot be earned for both ARC 4233 and IDE 4233.) Course Fees: SAP1 \$25; STSA \$15.

ARC 4246. Systems Studio. (0-14) 6 Credit Hours.

Prerequisite: ARC 4156 (taken twice). Advanced architectural design studio addressing the theoretical and practical issues of considerate and responsible design and detailing of a small building from the ground up. Addresses the whole building in terms of its integration with the site and climate, its structural, environmental, daylighting, and envelope systems as well as accessibility, life safety, and vertical circulation. Course Fees: SAP1 \$25; STSA \$30.

ARC 4283. Architectural Structures. (2-2) 3 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166. Advanced study of architectural structures; considers the physical principles that govern classical statics and strength of materials. Graphical and mathematical design of structural systems. Consideration of the role of structural articulation in the design of buildings. Course Fees: SAP1 \$25; STSA \$15.

ARC 4333. Practicum/Internship. (0-0) 3 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166 and consent of instructor. Offers students majoring in architecture or interior design a supervised professional practice experience with public agencies or private firms. Individual conferences and written reports required. Generally offered: Summer. Course Fees: SAP1 \$25; STSA \$15.

ARC 4816. International Studies Studio. (0-14) 6 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166 or consent of instructor. An architecture or planning studio associated with a study abroad program. (Formerly titled "Study Abroad: Studio.") (Same as IDE 4816. Credit cannot be earned for both ARC 4816 and IDE 4816.) Generally offered: Fall, Spring. Course Fees: SAP1 \$25; STSA \$30.

ARC 4823. International Studies Theory Seminar. (3-0) 3 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166 or consent of instructor. A lecture/seminar course associated with a study abroad program; involves field trips. (Formerly titled "Study Abroad: History/Theory.") (Same as IDE 4823. Credit cannot be earned for both ARC 4823 and IDE 4823.) Generally offered: Spring. Course Fees: SAP1 \$25; STSA \$15.

ARC 4833. International Studies Drawing Seminar. (0-8) 3 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166 or consent of instructor. A drawing course associated with a study abroad program; involves field trips. (Formerly titled "Study Abroad: Observational Drawing.") (Same as IDE 4833. Credit cannot be earned for both ARC 4833 and IDE 4833.) Generally offered: Fall, Spring. Course Fees: SAP1 \$25; STSA \$15.

ARC 4843. International Studies History Seminar. (3-0) 3 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166 or consent of instructor. A lecture/seminar course associated with a study abroad program; involves field trips. (Same as IDE 4843. Credit cannot be earned for both ARC 4843 and IDE 4843.) Course Fees: SAP1 \$25; STSA \$15.

ARC 4911. Independent Study. (0-0) 1 Credit Hour.

Prerequisites: Permission in writing (form available) of the instructor, the student's advisor, the Department Chair, and the Dean of the College in which the course is offered. Scholarly research under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, may apply to a bachelor's degree. Course Fees: SAP1 \$25; STSA \$5.

ARC 4913. Independent Study. (0-0) 3 Credit Hours.

Prerequisites: Permission in writing (form available) of the instructor, the student's advisor, the Department Chair, and the Dean of the College in which the course is offered. Scholarly research under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, may apply to a bachelor's degree. Course Fees: SAP1 \$25; STSA \$15.

ARC 4916. Independent Study. (0-0) 6 Credit Hours.

Prerequisites: Permission in writing (form available) of the instructor, the student's advisor, the Department Chair, and the Dean of the College in which the course is offered. Scholarly research under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, may apply to a bachelor's degree. Course Fees: SAP1 \$25; STSA \$30.

ARC 4953. Special Studies in Architecture. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor. An organized course offering the opportunity for specialized study not normally or often available as part of the regular course offerings. Special studies may be repeated for credit when the topics vary, but not more than 3 semester credit hours for ARC 4953 or 12 hours for ARC 4956, regardless of discipline, will apply to a bachelor's degree. Course Fees: SAP1 \$25; STSA \$15.

ARC 4956. Special Studies in Architecture. (0-14) 6 Credit Hours.

Prerequisite: Consent of instructor. An organized course offering the opportunity for specialized study not normally or often available as part of the regular course offerings. Special studies may be repeated for credit when the topics vary, but not more than 3 semester credit hours for ARC 4953 or 12 hours for ARC 4956, regardless of discipline, will apply to a bachelor's degree. Course Fees: SAP1 \$25; STSA \$15.

Interior Design (IDE) Courses

IDE 2143. Architecture and Interior Assemblies. (3-0) 3 Credit Hours.

Prerequisite: Enrollment as an ARC or IDE major. The study of building materials, assemblies, and construction processes as used in interior environments with an emphasis on system components qualities, characteristics, and standard installation practices. Generally offered: Fall. Course Fees: SAP1 \$25; STSA \$15.

IDE 2153. Interior Materials and Assemblies. (3-0) 3 Credit Hours.

Prerequisite: Enrollment as an ARC or IDE major. Continued study of materials and assemblies as used in interior environments with an emphasis on ceiling, floor, and furniture systems, applied finishes, and specifications. (Formerly IDE 3153. Credit cannot be earned for both IDE 2153 and IDE 3153.) Course Fees: SAP1 \$25; STSA \$15.

IDE 2166. Digital Design Studio. (0-14) 6 Credit Hours.

Prerequisite: Enrollment as an IDE major. Architectural and interior architectural design through the agency of digital design media. Course content includes the development of design skills for the conceptualization and informed design of buildings. Course Fees: SAP1 \$25; STSA \$30.

IDE 2263. Color Theory and Behavior. (3-0) 3 Credit Hours.

Prerequisite: Enrollment as an ARC or IDE major. A study of the physiological, psychological, and emotional effects of color, light, and space on human experience, behavior, and performance within the built environment. Explores fundamental properties of color, color relationships and their effects, as well as the fundamental theories found in environment and behavior interactions. Course Fees: SAP1 \$25; STSA \$15.

IDE 2413. History of Interior Architecture I. (3-0) 3 Credit Hours.

Prerequisites: WRC 1013, WRC 1023 and enrollment as an ARC or IDE major. Introduction to art, architecture, interior design, and decorative arts from antiquity to the Industrial Revolution. Explores the varied ways that design reflects and serves the social, religious, and political life in the Western and non-Western world. Course Fees: SAP1 \$25; STSA \$15.

IDE 2423. History of Interior Architecture II. (3-0) 3 Credit Hours.

Prerequisites: WRC 1013, WRC 1023 and enrollment as an ARC or IDE major. Introduction to art, architecture, interior design, and decorative arts through the post-Industrial Revolution to the modern period. Explores the varied ways that design reflects and serves the social, religious, and political life in the Western and non-Western world. (Formerly titled "History of Design: Renaissance through Nineteenth Century.") Course Fees: SAP1 \$25; STSA \$15.

IDE 3123. Space Planning and Interior Details. (3-0) 3 Credit Hours.

Prerequisite: Enrollment as an ARC or IDE major. Space planning and interior details informed by human factors, concepts and regulations. Course Fees: SAP1 \$25; STSA \$15.

IDE 3133. Interior Design Topics. (3-0) 3 Credit Hours.

Prerequisite: Enrollment as an ARC or IDE major. A study of current trends and issues in interior design. Course Fees: SAP1 \$25; STSA \$15.

IDE 3236. Interior Design Studio I. (0-14) 6 Credit Hours.

Prerequisites: IDE 2143 and IDE 2423. Interior design as the application of building construction systems and materials as key components in the art of shaping interior volumes. Project research and programming methods are applied and furniture selections are explored and integrated within a spatial context. Generally offered: Fall. Course Fees: SAP1 \$25; STSA \$30.

IDE 3246. Interior Design Studio II. (0-14) 6 Credit Hours.

Prerequisites: IDE 2143, IDE 2153, and completion of or concurrent enrollment in ARC 4183. Interior design focused on integrating mechanical, acoustical, and lighting systems through a consideration of the relationship between human activities and various interior environments. Generally offered: Spring. Course Fees: SAP1 \$25; STSA \$30.

IDE 3433. Topics in Design Theory. (3-0) 3 Credit Hours.

Prerequisite: IDE 2423. Introduction to design theories. May be repeated for credit when topics vary. (Formerly IDE 4423.) Course Fees: SAP1 \$25; STSA \$15.

IDE 4213. Furniture Design and Construction. (0-6) 3 Credit Hours.

Prerequisite: IDE 3236. Focuses on the essential qualities of the elements of furniture design and construction, emphasizing human factors and the use of materials and connections. Course Fees: SAP1 \$25; STSA \$15.

IDE 4233. Computer Projects in Design. (2-2) 3 Credit Hours.

Prerequisite: IDE 2513 or consent of instructor. Project-driven lecture/laboratory course exploring advanced issues associated with 3-D modeling, animation, photo-realistic visualization, and computer-aided manufacturing. Considers the role these processes play in architectural and interior design. (Same as ARC 4233. Credit cannot be earned for both IDE 4233 and ARC 4233.) Course Fees: SAP1 \$25; STSA \$15.

IDE 4266. Systems Integration Studio. (0-14) 6 Credit Hours.

Prerequisites: IDE 2143, IDE 2153, IDE 3133, IDE 3246 or IDE 4816, and ARC 4183. Design and documentation of interior environments focusing on system integration and articulation of building assemblies. Includes complex programming, life safety issues, thermal control, lighting, electrical, acoustics, and water and waste management systems. (Formerly titled "Interior Design Systems Studio.") Generally offered: Fall. Course Fees: SAP1 \$25; STSA \$30.

IDE 4333. Practicum/Internship. (0-0) 3 Credit Hours.

Prerequisite: IDE 3236 or consent of instructor. Offers students majoring in Interior Design participation in a variety of design development concerns. Students work under supervision in an approved internship to gain knowledge of their respective professional fields. Course Fees: SAP1 \$25; STSA \$15.

IDE 4513. Practice and Ethics. (3-0) 3 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166. A study of the currently applied ethical, legal, and professional criteria for the practice of interior design. Issues investigated include forms of practice, client relationships, team leadership, office organization, and project management. Course Fees: SAP1 \$25; STSA \$15.

IDE 4816. International Studies Studio. (0-14) 6 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166 or consent of instructor. An interior architecture studio associated with a study abroad program. (Formerly titled "Study Abroad: Studio.") (Same as ARC 4816. Credit cannot be earned for both IDE 4816 and ARC 4816.) Course Fees: SAP1 \$25; STSA \$30.

IDE 4823. International Studies Theory Seminar. (3-0) 3 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166 or consent of instructor. A lecture/seminar course associated with a study abroad program; involves field trips. (Formerly titled "Study Abroad: History/Theory.") (Same as ARC 4823. Credit cannot be earned for both IDE 4823 and ARC 4823.) Course Fees: SAP1 \$25; STSA \$15.

IDE 4833. International Studies Drawing Seminar. (0-8) 3 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166 or consent of instructor. A drawing course associated with a study abroad program; involves field trips. (Formerly titled "Study Abroad: Observational Drawing.") (Same as ARC 4833. Credit cannot be earned for both IDE 4833 and ARC 4833.) Course Fees: SAP1 \$25; STSA \$15.

IDE 4843. International Studies History Seminar. (3-0) 3 Credit Hours.

Prerequisites: ARC 2156 and ARC 2166 or consent of instructor. A lecture/seminar course associated with a study abroad program; involves field trips. (Same as ARC 4843. Credit cannot be earned for both IDE 4843 and ARC 4843.) Course Fees: SAP1 \$25; STSA \$15.

IDE 4911. Independent Study. (0-0) 1 Credit Hour.

Prerequisites: Permission in writing (form available) of the instructor, the student's advisor, the Department Chair, and the Dean of the College in which the course is offered. Scholarly research under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, may apply to a bachelor's degree. Course Fees: SAP1 \$25; STSA \$5.

IDE 4913. Independent Study. (0-0) 3 Credit Hours.

Prerequisites: Permission in writing (form available) of the instructor, the student's advisor, the Department Chair, and the Dean of the College in which the course is offered. Scholarly research under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, may apply to a bachelor's degree. Course Fees: SAP1 \$25; STSA \$15.

IDE 4953. Special Studies in Interior Architecture. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor. An organized course offering the opportunity for specialized study not normally or not often available as part of the regular course offerings. Special Studies may be repeated for credit when topics vary, but not more than 6 semester credit hours for IDE 4953 or 12 hours for IDE 4956, regardless of discipline, will apply to a bachelor's degree. Course Fees: SAP1 \$25; STSA \$15.

IDE 4956. Special Studies in Interior Architecture. (0-14) 6 Credit Hours.

Prerequisite: Consent of instructor. An organized course offering the opportunity for specialized study not normally or not often available as part of the regular course offerings. Special Studies may be repeated for credit when topics vary, but not more than 6 semester credit hours for IDE 4953 or 12 hours for IDE 4956, regardless of discipline, will apply to a bachelor's degree. Course Fees: SAP1 \$25; STSA \$30.

Urban and Regional Planning (URP) Courses**URP 3123. Introduction to Community and Regional Planning and Urban Design. (3-0) 3 Credit Hours.**

Introduction to basic practices in community planning and urban design issues, including theoretical/historical bases; developing neighborhood plans/projects; indicators and evaluation of neighborhood sustainability; community patterns; institutional framework, site planning analysis; zoning ordinances; subdivision ordinances; community services, circulation; mixed-use, and community development programming. (Formerly ARC 4123. Credit cannot be earned for both ARC 4123 and URP 3123.) Course Fees: SAP1 \$25; STSA \$15.

URP 3153. Comparative Urban and Regional Development. (3-0) 3 Credit Hours.

A survey of the origin of the contemporary city and region, current conditions, and future trends. Course Fees: SAP1 \$25; STSA \$15.

URP 3163. Visual Communications for Community and Regional Planning. (3-0) 3 Credit Hours.

Expressing planning data and geographic information in visual terms for land use planning projects. Application of related computer software including GIS. (Formerly ARC 4163. Credit cannot be earned for both ARC 4163 and URP 3163.) Course Fees: SAP1 \$25; STSA \$15.

URP 4123. Sustainable Community Development. (3-0) 3 Credit Hours.

Introduction to land use planning topics including new urbanism, growth management, sustainable infrastructure planning, and LEED Neighborhood Development. Course Fees: SAP1 \$25; STSA \$15.

URP 4213. Urban Planning and Public Health. (3-0) 3 Credit Hours.

Survey of the interdependence of urban planning and public health to include the impact of physical environments on the health and quality of life of people in housing and neighborhoods. Course Fees: SAP1 \$25; STSA \$15.

URP 4913. Independent Study. (0-0) 3 Credit Hours.

Prerequisite: Permission in writing (form available) of the instructor, the student's advisor, the Department Chair, and the Dean of the College in which the course is offered. Scholarly research under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, may apply to a bachelor's degree. Course Fees: SAP1 \$25; STSA \$15.

URP 4953. Special Studies in Urban and Regional Planning. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor. An organized course offering the opportunity for specialized study not normally or not often available as part of the regular course offerings. Special Studies may be repeated for credit when topics vary. Course Fees: DL01 \$75; SAP1 \$25; STSA \$15.