# REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN ARCHITECTURAL STUDIES

**THE UNIVERSITY OF OKLAHOMA**

**COLLEGE OF ARCHITECTURE**

## Architecture – Three+ Year Program

### B043

Bachelor of Science in Architectural Studies

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OU encourages students to complete at least 35 hours of applicable coursework each year to have the opportunity to graduate in three and a half years.

A minimum grade of C is required in all major coursework. Completion of a university-approved minor or Division approved concentration is also required. All first year courses are to be completed before advancing to the second year unless otherwise approved by the Architecture Division Director.

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### Credit Hours and Grade Average Requirements

- Total Credit Hours: 120
- Minimum Upper-Division Hours Required: 48
- Minimum Retention/Graduation Grade Point Averages:
  - Minimum OU Retention GPA: 2.50
  - Minimum Combined Retention GPA: 2.50
  - Minimum GPA on all Required Professional Courses: 2.50

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### For Students Entering the Oklahoma State System for Higher Education Summer 2016 through Spring 2017

<table>
<thead>
<tr>
<th>Year</th>
<th>First Semester</th>
<th>Second Semester</th>
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</thead>
<tbody>
<tr>
<td>FRESHMAN</td>
<td>ARCH 1112, Cultures of Collaborating, Creating, &amp; Constructing</td>
<td>ARCH 1263, Methods II - Patterns of Architecture</td>
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<tr>
<td></td>
<td>ARCH 1163, Methods I - Materiality of Place</td>
<td>ARCH 1255, Design II - Craft &amp; Making</td>
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<td>ARCH 1153, Design I - Design Fundamentals</td>
<td>ENGL 1213, Principles of English Composition (Core I)</td>
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<td>ENGL 1113, Principles of English Composition (Core I)</td>
<td>EXPO 1213, Expository Writing (Core I)</td>
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<td>Natural Science, with lab - (Core II) from approved Gen. Ed. list</td>
<td>PHYS 1114, Physics for Non-Science Majors (Core II)</td>
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</tbody>
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**TOTAL CREDIT HOURS:** 15

| SUMMER | PSC 1113, American Federal Government (Core III) | 3 |
|        | HIST 1483 or 1493, U.S. History (Core IV) | 3 |

**TOTAL CREDIT HOURS:** 6

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| SOPHOMORE | ARCH 2243, History of the Built Environment I (Core IV) | ARCH 2343, History of the Built Environment II (Core IV) |
|          | ARCH 2363, Methods III - Materials and Form | ARCH 2463, Methods IV - Sustainable and Resilient Systems I |
|          | ARCH 2356, Design III - Crafting Place | ARCH 2456, Design IV - Materials & Making |
|          | MATH 1523, Pre-calculus and Trigonometry (Core I) | ARCH 4133, Architectural Structures I |

**TOTAL CREDIT HOURS:** 15

| SUMMER | Open Elective (upper division) | 3 |
|        | Social Science - Advised Elective (Core III) | 3 |

**TOTAL CREDIT HOURS:** 6

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| JUNIOR | ARCH 4233, Architectural Structures II | ARCH 4000, Foreign Study (may be taken any semester) |
|        | ARCH 4455, Modern & Contemporary Architecture | ARCH 4543, Architectural Theory and Criticism |
|        | ARCH 4563, Methods V - Sustainable and Resilient Systems II | ARCH 4663, Methods VI - Urban Design Methodologies |
|        | ARCH 3556, Design V - Architectural Making I | ARCH 3656, Design VI - Architectural Making II |
|        | $Open Elective (upper division) | 3 |

**TOTAL CREDIT HOURS:** 15

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| SENIOR | ARCH 4723, Methods VII-Advanced Systems | 3 |
|        | ARCH 4756, Design VII-Systems & Context (Capstone) | 6 |
|        | Open Elective (upper division) | 3 |
|        | Understanding Artistic Forms — (Core IV) | 3 |

**TOTAL CREDIT HOURS:** 18

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### University-Wide General Education Requirements (minimum 40 hours)

Courses designated as Core I, II, III, IV, or Capstone are part of the General Education curriculum. Students must complete a minimum of 40 hours of General Education courses, chosen from the approved list, including at least one upper-division Gen. Ed. course outside of the student's major. Courses graded S/U or P/NP will not apply.

**Core I**
- Symbolic and Oral Communication (9–19 hours, 3–5 courses)
  - English Composition—6 hours, 2 courses
  - Mathematics—3 hours, 1 course
  - Foreign Language—0–10 hours, 2 courses in the same language, (which can be met by successfully completing two years of the same foreign language in high school)
  - Other courses such as communication, logic or public speaking

**Core II**
- Natural Science (7 hours, 2 courses)
  - Courses must be taken from different disciplines in the biological and/or physical sciences; one of which must include a laboratory.

**Core III**
- Social Science (6 hours, 2 courses)
  - One course must be PSC 1113, “American Federal Government”

**Core IV**
- Humanities (12 hours, 4 courses)
  - Understanding Artistic Forms—3 hours, 1 course
  - Western Civilization and Culture—6 hours, 2 courses, including HIST 1483 or HIST 1493
  - Non-Western Cultures—3 hours, 1 course

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**Senior Capstone Experience (6 hours, 1 course - as required by the College of Architecture)**
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COURSES IN ARCHITECTURE (ARCH)

1112 Cultures of Collaborating, Creating, and Constructing. Prerequisite: Architecture or Environmental Design major. Introduction to the foundations of the various planning, design, and construction disciplines. Focus on the collaborative process for creating and constructing the built environment. History of professionalization of architecture, landscape architecture, interior design, construction science, engineering, and geographic environmental design will be explored and related to how these have evolved to their current condition. (F, Sp)

1153 Design I – Design Fundamentals. Co-requisites: ARCH 1122, ARCH 1163 or permission of director. Development of foundational design and representational skills, and graphic conventions to be introduced and developed. Design vocabulary, studio culture, and architectural discourse will be introduced and developed within the framework of Creating-Making. This course will introduce climatic and environmental considerations and will be developed and designed within the context of urban site. A major component of the course is dedicated to developing and exploring the relationship of schematic design to contract documents in order to understand the process of bringing design concepts to life. (F)

1201 Studio I – Craft and Making. Prerequisites: ARCH 1112, ARCH 1163, ARCH 1153 with a grade of C or better. Co-requisite: ARCH 1263; or permission of director. The class is a continuation of the development of fundamental design skills through introductions to the material, formal, and technical components that demonstrate engagement with design; where methods will be introduced and developed through the making of full-scale constructions. Continued ideas involving Creating-Making are explored through exercises in the formal, spatial, and material organization of human environments. This course further develops techniques of representation and communication with an emphasis on hybrid visualization techniques. (F, Sp, Su)

1203 History of the Built Environment I. Prerequisite: ARCH 1121, ARCH 1163, ARCH 1153 with a grade of C or better. Co-requisite: ARCH 1263; or permission of director. The course provides an introduction to organizational strategies across a range of architectural scales. Ordering principles are investigated from micro through macro, from the materiality and tectonics of regional and national styles to be defined in technical detail within the context of the built environment. This course will introduce structural systems and material characteristics. Materials and typology studies will introduce relationships of building to site and environment. Concepts of sustainability will be further developed through different urban landscapes. (Sp)

1283 History of the Built Environment II. Prerequisite: majors only or permission of director. Co-requisites: ARCH 1263; and ARCH 1273, ARCH 1293; or permission of director. Focus is on wood, concrete, and steel as structural materials. Material properties, common manufactured systems, common material sections, and common methods of connection will be introduced and developed. Introduction to technical details related to various structural systems. No student may earn credit for both 4233 and 5233. (F)

1303 Architecture and Critical Theory. Prerequisite: ARCH 1301 or equivalent; or permission of director. Focuses on the history of theory in architecture and the role of the architect in society and culture. Introduces methods of research and critical thinking. The course engages the relationship between architectural theories and projects through cultural and modern perspectives. This course provides students with formal and methodological skills for critical analysis and the ability to interpret architectural designs in light of cultural and historical contexts. (F, Sp, Su)

1304 Modern and Contemporary Architecture. Prerequisite: ARCH 1301 or equivalent; or permission of director. This course explores issues in contemporary architectural practice including the role of the client, contracts, practice and project management, leadership skills, legal responsibilities, ethics and professional judgment, and community and social responsibilities. Emphasis is placed upon issues of cultural and environmental sustainability, political activism, and the changing role of the architectural profession. Knowledge of techniques is developed for project development and construction. Students will explore the tools and processes necessary to address environmental and financial feasibility. The course contains program specific research and support related to studio projects. No student may earn credit for both 4923 and ARCH 5923. (F)

1307 Methods X – Tools of Practice. (Slashlisted with ARCH 5663) Prerequisites: ARCH 4923, ARCH 4563, ARCH 4723, ARCH 4756, ARCH 4363 with a grade of C or better. Co-requisites: ARCH 4973; or permission of director. The course explores issues in contemporary architectural practice including the role of the client, contracts, practice and project management, leadership skills, legal responsibilities, ethics and professional judgment, and community and social responsibilities. Emphasis is placed upon issues of cultural and environmental sustainability, political activism, and the changing role of the architectural profession. Knowledge of techniques is developed for project development and construction. Students will explore the tools and processes necessary to address environmental and financial feasibility. The course contains program specific research and support related to studio projects. No student may earn credit for both 4923 and ARCH 5923. (F)

1309 Internship. (Slashlisted with 5160) Prerequisite: ARCH 4723, 4756; or permission of director. This semester-long internship provides students with the opportunity to gain experience in an architecture office or in a related field. Students typically track their hours through the National Council of Architectural Registration Boards Internship Development Program (IDP), which defines acceptable type of work environments. Students may, for example, choose to work for a licensed architect, an interior designer, a building contractor, or in any other safe and well-managed environment that is approved by the faculty coordinator. (F, Sp, Su)