



**BACHELOR OF SCIENCE IN ARCHITECTURE**  
**Curriculum**

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The Architecture Program offers a four-year undergraduate course of study leading to the Bachelor of Science in Architecture. This degree program is designed to provide students with exposure to liberal education while delivering rigorous **pre-professional study in architecture**.

All undergraduates accepted to the University of Maryland are provisionally placed in the Bachelor of Arts in Architecture degree track. At the conclusion of the 4<sup>th</sup> semester (see curriculum below), students may apply for placement in the Bachelor of Science in Architecture degree track. Placement in the Bachelor of Science in Architecture degree track is competitive and the number of seats are limited.

Most U.S. jurisdictions require individuals to have an accredited professional degree in order to use the title “architect” and/or to provide architectural services. Upon completion of the degree requirements for the Bachelor of Science degree qualified students may apply to continue in the accredited Master of Architecture professional degree program. Many students who complete the Bachelor of Science in Architecture at the University of Maryland continue in our Master of Architecture program or elect to pursue graduate studies at another institution. Many schools of architecture nationwide provide Master of Architecture programs that are compatible with our undergraduate degree (consult the NAAB directory of accredited programs in North America [www.naab.org](http://www.naab.org)). Neither the Bachelor of Arts nor the Bachelor of Science in Architecture degrees are accredited degrees. They are considered by the NAAB to be pre-professional degrees, however when coupled with the Master of Architecture, they form the foundation for the accredited degree.

While the Bachelor of Science in Architecture degree does emphasize architecture, some graduates of this program pursue graduate study in allied fields such as historic preservation, landscape architecture, urban planning, or real estate development. Because the undergraduate program in Architecture develops a wide range of practical skills and exposes students to diverse intellectual principles, graduates are able to compete effectively in many professional and academic arenas. Graduates of the program have gone on to careers in many professions, including the construction industry, engineering, public administration, business, law and higher education.

**Course of Study:**

The information below is presented as a degree framework plan. Scheduling of actual coursework is subject to change.

**YEAR 1**

**SEMESTER 1**

ARCH	171	Design Thinking and Making (HU)	3
MATH	120	Elementary Calculus I (or MATH140 Calculus I)	3
ENGL	101	Introduction to Writing (AW)	3
XXXX	xxx	University Elective	3
UNIV	100	Student in the University	1
<b>Semester Total</b>			<b>13</b>

**SEMESTER 2**

ARCH	225	History of World Architecture I	3
ARCH	200	Design Media I	3
PHYS	121	Fundamentals of Physics I (NL)	4
DSHS	xxx	History/Social Sciences (HS)**	3
DSSP	xxx	Scholarship in Practice (SP)**	3
<b>Semester Total</b>			<b>16</b>



**YEAR 2**

**SEMESTER 3**

ARCH	225	History of World Architecture II (HU)	3
ARCH	201	Elements and Principles of Architecture	1
ARCH	300	Design Media II	3
ARCH	462	Methods and Materials	3
DSNS	xxx	Natural Science Requirement (NS)*	3
DSHS	xxx	History/Social Sciences (HS)**	3
<b>Semester Total</b>			<b>16</b>

**SEMESTER 4**

ARCH	400	Architectural Design Studio I (HU)	6
ARCH	463	Sustainable Systems	3
DSHU	xxx	Humanities (HU)**	3
XXXX	xxx	University Elective / Course in Minor	3
<b>Semester Total</b>			<b>15</b>

*Program Placement Review for enrollment in Semester 5*

**YEAR 3**

**SEMESTER 5**

ARCH	401	Architectural Design Studio II	6
ARCH	464	Structures I	3
ENGL	39x	English Course (PW)	3
XXXX	xxx	University Elective / Course in Minor	3
<b>Semester Total</b>			<b>15</b>

**SEMESTER 6** (optional semester abroad)

ARCH	402	Architectural Design Studio III (SP/OC)	6
ARCH	465	Structures II	3
XXXX	xxx	University Elective	3
XXXX	xxx	University Elective / Course in Minor	3
<b>Semester Total</b>			<b>15</b>

*Recommended internship and/or study abroad*

**YEAR 4**

**SEMESTER 7**

ARCH	403	Architectural Design Studio IV	6
ARCH	466	Environmental Systems	3
XXXX	xxx	University Elective	3
XXXX	xxx	University Elective / Course in Minor	3
<b>Semester Total</b>			<b>15</b>

**SEMESTER 8**

ARCH	601	Topical Design Studio (or 2-3 credit ARCH courses)	6
ARCH	xxx	Architectural Elective	3
ARCH	xxx	Architectural Elective	3
XXXX	xxx	University Elective / Course in Minor	3
<b>Semester Total</b>			<b>15</b>

**Total Credit Hours Required for B.S. in Architecture 120**



\* NS LIST: ENSP101, GEOL120, PHYS122, GEOG140, GEOL/AOSC/GEOG123

\*\* All students must complete two distributive studies that are approved for i-series courses. Students have a requirement for either two understanding plural societies courses or one understanding plural societies and one cultural competency course. These courses may also fulfill a distributive studies category

#### **GRADE POINT AVERAGE IN MAJOR POLICY:**

The 2.0 GPA in major policy requires all students matriculating in Fall 2012 to earn a 2.0 grade point average in their major, minor, and/or certificate requirements. With the new plus/minus policy, the minimum grade for most major courses is a C-, now calculated as a 1.7. It is important that students clearly understand what courses make up major, minor and certificate requirements, and that the cumulative GPA for those courses must be at least 2.0.

Calculation of Major requirements shall include: ARCH 170 (3cr), MATH 220/140 (3cr), PHYS 121 (4cr), ARCH 242 (3cr), ARCH 225 (3cr), ARCH 226 (3cr), XXXX xxx Natural Science (3cr), UNIV 100/ARCH 101/Elective (3cr), ARCH 400 (6cr), ARCH 401 (6cr), ARCH 402 (6cr), ARCH 403 (6 cr), ARCH XXX History Elective (3cr), ARCH 227 (3cr), ARCH 410 (4cr), ARCH 411 (4cr), ARCH 412 (4cr), ARCH 413 (4cr), 3-Directed Electives (3cr ea / 9cr)

#### **STUDENT ADVISING:**

Undergraduate advising is available to assist students in completing the undergraduate curriculum and obtaining the Bachelor of Science in Architecture degree. Please contact the School office at the School at 301-405-8000 to check hours and/or make an appointment. See also:

<https://arch.umd.edu/programs/architecture/resources/student-resources/advising/undergraduate-advising>

#### **COURSE DESCRIPTIONS:**

A complete listing of course descriptions offered by the Architecture Program can be found at:

<https://arch.umd.edu/programs/architecture/academics/architecture-courses>

#### **MATHEMATICS AND SCIENCE REQUIREMENTS:**

Students must take on of the courses to complete the mathematics and Sciences Distributive Studies Core requirement: ENSP101 (3) Environmental Science, GEOG 140 (3) Coastal Environments, GEOL 120 (3) Environmental Geology, GEOL 123/AOSC 123/GEOG 123 (3) Causes and Implications of Global Change, or PHYS 122 (4) Fundamentals of Physics II.

#### **GENERAL EDUCATION COURSE REQUIREMENTS:**

As a primary goal, General Education provides students with breadth of knowledge and disciplinary diversity. The General Education program exposes students to different disciplines, improves fundamental academic skills, and strengthens a commitment to using knowledge and abilities to better themselves and others. It expands the breadth of the academic experience by focusing classes on major areas of study such as the arts and sciences. In short, it will provide students with a broad academic background that will prepare students for the professional world.

The General Education program consists of four areas of study: Fundamental Studies, Distributive Studies, I-Series and Diversity. Students will complete a series of courses in each area with the bulk of the classes counting under the Distributive Studies. The I-Series and Diversity requirements can double count and overlap with the Distributive Studies requirements.

Students beginning their freshman year in the fall of 2012 and thereafter will be under the General Education program and its requirements. For more information on the General Education program, please visit:

<http://www.gened.umd.edu/>.

ARCH170 will be used to satisfy one Humanities (HU) course under the Distributive Studies.

#### **ELECTIVE COURSES:**

Electives: Any 300 or 400 level course may qualify in this category. Electives in architecture are intended to allow students an opportunity to pursue their special interests within the discipline of architecture. This array of



courses is designed to provide sufficient flexibility so that students can develop areas of concentration or diversify their knowledge of the discipline.

**Selection Process:** Students are encouraged to develop a curricular plan that will provide depth and/or breadth of immersion into the offerings of a specific discipline.

Student Advisors will maintain a list of suggested courses for elective courses. The list is by no means comprehensive or exclusive. Students are encouraged to develop their curricular plans in consultation with their advisor.

#### **MINORS:**

Work closely with your undergraduate advisor to investigate the wide-range of minors available at the University of Maryland. Among the most popular minors for architecture students are the following:

##### **Construction Project Management Minor:**

<https://arch.umd.edu/programs/architecture/academics/architecture-degrees/construction-project-management-minor>

##### **History/Theory of Architecture Minor:**

<https://arch.umd.edu/programs/architecture/academics/architecture-degrees/ARCH-history-theory-minor>

##### **Real Estate Development Minor:**

<https://arch.umd.edu/programs/real-estate-development/academics/real-estate-development-degrees/real-estate-development-minor>

##### **Sustainability Studies Minor:**

<https://spp.umd.edu/your-education/undergraduate/minors>

#### **RECOMMENDED INTERNSHIPS:**

At various points in a student's education practical experience gained through internship complements and provides insight into formal education. The Program provides an annual Career Fair that enables students gain contacts with major firms in the Washington-Baltimore area as well as firms with numerous locations nationally and internationally. Many students arrange internships over the summer and/or winter recess. While the Program does not provide academic credit for work in a professional context, the experiences gained therein are invaluable to a student's development.

#### **RECOMMENDED STUDY ABROAD:**

The Architecture Program offers several intensive study abroad programs during the winter term and over the summer session. The programs are generally three or six weeks in duration and are lead by faculty members who have proven expertise in locales in which the programs are located. Past programs have taken students to France, India, Italy, North Africa, Peru, Russia, Turkey, South Africa, and the Yucatan. Students study the historical and contemporary architecture, urbanism, and cultures of the nations visited.

#### **ACCREDITATION:**

In the United States, most registration boards require a degree from an accredited professional 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: Bachelor of Architecture, Master of Architecture, and 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 pre-professional undergraduate degree in architecture for admission. However, the pre-professional degree is not, by itself, recognized as an accredited degree.



The University of Maryland, School of Architecture, Planning and Preservation, offers the following NAAB-accredited degree programs:

M. ARCH (pre-professional degree + 60 graduate credits)

M. ARCH (non-pre-professional degree + 105 credits)

Next accreditation visit for both programs: 2025

Additional information about NAAB can be found at: [www.naab.org](http://www.naab.org)

Detailed information about the Architecture Program's accreditation status can be found at:

<https://arch.umd.edu/programs/architecture/academics/naab-accreditation>

### GRAPHIC OVERVIEW OF THE BS IN ARCHITECTURE CURRICULUM



Program Commencing Fall 2016

Total Credit Hours in Bachelor of Science in Architecture: 120

Credits in the major: 67

Credits at 300 level and above: 54

- Coursework in ARCH Major
- Electives / Coursework in Minor
- General Education / University Electives



**Bachelor of Science in Architecture**  
**Required Coursework Toward Degree**

Dept	No	Title	Credits
ARCH	171	Design Thinking and Making (HU)	3
ARCH	200	Design Media I	3
ARCH	201	Elements and Principles of Architecture	1
ARCH	225	History of World Architecture I	3
ARCH	225	History of World Architecture II	3
ARCH	300	Design Media II	3
ARCH	400	Architectural Design Studio I	6
ARCH	401	Architectural Design Studio II	6
ARCH	402	Architectural Design Studio III (SP/OC)	6
ARCH	403	Architectural Design Studio IV	6
ARCH	462	Methods and Materials	3
ARCH	463	Sustainable Systems	3
ARCH	464	Structures I	3
ARCH	465	Structures II	3
ARCH	466	Environmental Systems	3
ARCH	408	Topical Design Studio (or 2-3 credit ARCH courses)	6
ARCH	xxx	Architectural Elective	3
ARCH	xxx	Architectural Elective	3
DSHS	xxx	History/Social Sciences (HS)**	3
DSHS	xxx	History/Social Sciences (HS)**	3
DSHU	xxx	Humanities (HU)**	3
DSNS	xxx	Natural Science Requirement (NS)*	3
DSSP	xxx	Scholarship in Practice (SP)**	3
ENGL	101	Introduction to Writing (AW)	3
ENGL	39x	English Course (PW)	3
MATH	220	Calculus I	3
PHYS	121	Fundamentals of Physics I (NL)	4
UNIV	100	Student in the University	1
XXXX	xxx	University Elective	3
XXXX	xxx	University Elective	3
XXXX	xxx	University Elective	3
XXXX	xxx	University Elective / Course in Minor	3
XXXX	xxx	University Elective / Course in Minor	3
XXXX	xxx	University Elective / Course in Minor	3
XXXX	xxx	University Elective / Course in Minor	3
XXXX	xxx	University Elective / Course in Minor	3
Total Credit Hours			120