

ARCHITECTURE, B.ARCH.

Begin Campus: University Park

End Campus: University Park

Program Description

The Department of Architecture is a member of the Association of Collegiate Schools of Architecture and the Bachelor of Architecture degree is accredited by the National Architectural Accrediting Board. The major provides for the education of architects at the professional and pre-professional levels.

"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 three types of degrees:

1. the Bachelor of Architecture,
2. the Master of Architecture, and
3. the Doctor of Architecture.

A program may be granted a 8-year, 3-year, or 2-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 consist of a pre-professional undergraduate degree and a professional graduate degree that, when earned sequentially, constitute an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree."

The Pennsylvania State University, Department of Architecture offers the following NAAB-accredited degree program:

B.Arch. (162 undergraduate credits)

Next accreditation visit for the B.Arch. accredited degree program: 2023 (anticipated)
(Excerpt from NAAB Conditions for Accreditation)

Bachelor of Architecture

The professional program (BARCH) is a five-year curriculum leading to the Bachelor of Architecture degree requiring 162 credits. It prepares those who seek careers as practicing architects. It also provides professional preparation for those who wish to enter related design fields. Graduates of the Bachelor of Architecture program are eligible, after appropriate internship experience, to sit for the Architect Registration Examination. Successful completion of all parts of the Architect Registration Examination is required for registration as an architect. The Bachelor of Architecture curriculum includes coursework in architectural design, history, theory, structural systems, building materials, environmental control systems, visual communications, professional practice, and systems integration. Supporting courses provide students with the flexibility to explore a range of interests, develop concentrations, or pursue minors. An approved semester abroad is also a requirement of the program. All students admitted to the University in the Department of Architecture are enrolled in the five-year professional program leading to the Bachelor of Architecture degree.

Students may elect to leave Penn State after completing the requirements of the four-year (ARCBS) program and receive the Bachelor of Science degree.

What is Architecture?

The study of architecture is a broad endeavor combining the arts and humanities with engineering, science, and technology. It is a global study – from piazzas in Italy to rural contexts to information networks spanning physical and virtual domains. As creative designers, architects reflect the history, philosophy, dreams, habits, and values of a culture through buildings and spaces. Architects create responsible solutions to the needs of clients and the natural circumstances of sites. The profession spans the classical to the cutting-edge, and studying architecture encourages exploration across a range of interests, and provides flexibility to develop academic concentrations or pursue minors. The architecture studio is a laboratory in which design synthesizes history, theory, structural systems, building materials, environmental control systems, visual communications, professional practices, and systems integration.

You Might Like this Program If...

- You're fascinated by the intersection of spaces, cultures, history, and people
- You think deeply and love to create
- You're compelled by art, technology, and the environment
- You like formulas and experimentation
- You want to impact society
- You are self-motivated and enjoy the balance of teamwork and working independently
- You honor tradition while inventing novel practices
- You welcome responsibility
- You think and act with precision
- You take risks
- You want to explore, discover, and invent

Entrance Procedures

Incoming First Year Students

Incoming first year students must apply for undergraduate admissions to Penn State. Students who are offered admission to Architecture will be directly admitted to the five-year undergraduate professional degree (B.Arch). There is no portfolio required for incoming first year students.

Change of Major/Change of Campus Students

Change of major/change of campus students must have a cumulative GPA of 2.00 or above and are required to submit a portfolio by February 15, 2020. Portfolio is required. Detailed portfolio information can be found at: <https://arts.psu.edu/how-to-apply/#specific>.

Students offered admission to Architecture will begin the five-year B.Arch degree the following fall semester. Regardless of semester standing, this degree requires a minimum of five years to complete after acceptance.

Transfer students must apply to Penn State. Transfer students are required to submit a portfolio by February 15, 2020. Detailed portfolio information can be found at: <https://arts.psu.edu/how-to-apply/#specific>. Students offered admission to Architecture will begin the five-year B.Arch degree the following fall semester. Regardless of semester standing, this degree requires a minimum of five years to complete after acceptance.

Degree Requirements

Requirement	Credits
General Education	45
Requirements for the Major	123

6 of the 45 credits for General Education are included in the Requirements for the Major. This includes 6 credits of General Education GA courses.

General Education

Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all baccalaureate students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (<http://bulletins.psu.edu/undergraduate/general-education/baccalaureate-degree-general-education-program/>) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

Foundations (grade of C or better is required.)

- **Quantification (GQ):** 6 credits
- **Writing and Speaking (GWS):** 9 credits

Knowledge Domains

- **Arts (GA):** 6 credits
- **Health and Wellness (GHW):** 3 credits
- **Humanities (GH):** 6 credits
- **Social and Behavioral Sciences (GS):** 6 credits
- **Natural Sciences (GN):** 9 credits

Integrative Studies (may also complete a Knowledge Domain requirement)

- **Inter-Domain or Approved Linked Courses:** 6 credits

University Degree Requirements

First Year Engagement

All students enrolled in a college or the Division of Undergraduate Studies at University Park, and the World Campus are required to take 1 to 3 credits of the First-Year Seminar, as specified by their college First-Year Engagement Plan.

Other Penn State colleges and campuses may require the First-Year Seminar; colleges and campuses that do not require a First-Year Seminar provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult their academic adviser for these requirements.

Cultures Requirement

6 credits are required and may satisfy other requirements

- **United States Cultures:** 3 credits
- **International Cultures:** 3 credits

Writing Across the Curriculum

3 credits required from the college of graduation and likely prescribed as part of major requirements.

Total Minimum Credits

A minimum of 120 degree credits must be earned for a baccalaureate degree. The requirements for some programs may exceed 120 credits. Students should consult with their college or department adviser for information on specific credit requirements.

Quality of Work

Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

Limitations on Source and Time for Credit Acquisition

The college dean or campus chancellor and program faculty may require up to 24 credits of course work in the major to be taken at the location or in the college or program where the degree is earned. Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80>)). For more information, check the Suggested Academic Plan for your intended program.

Requirements for the Major

A grade of C or better is required for all courses in the major. To graduate, a student enrolled in the major must earn at least a C grade in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44>).

Code	Title	Credits
Prescribed Courses		
<i>Prescribed Courses: Require a grade of C or better</i>		
AE 210	Introduction to Architectural Structural Systems	3
AE 211	Introduction to Environmental Control Systems	3
AE 421	Architectural Structural Systems I	3
AE 422	Architectural Structural Systems II	3
AE 424	Environmental Control Systems I	3
ARCH 121	Visual Communications I	2
ARCH 122	Visual Communications II	2
ARCH 131	Basic Design Studio I	4
ARCH 132	Basic Design Studio II	4
ARCH 203	Materials and Building Construction I	3
ARCH 204	Materials and Building Construction II	3
ARCH 210	Ideas Across Time in Architecture and Urbanism	3
ARCH 231	Architectural Design I	6
ARCH 232	Architectural Design II	6
ARCH 311W	Architectural and Planning Theories	3
ARCH 331	Architectural Design III	6
ARCH 332	Architectural Design IV	6
ARCH 431	Architectural Design V	6
ARCH 451	Architectural Professional Practice	3
ARCH 480	Technical Systems Integration	3
ARCH 499A	Rome Study-Architectural Design	6
ARCH 499B	Architectural Analysis	3
ARCH 499C	Urban Studies	3

ARCH 491	Architectural Design Studio (6 per semester, maximum of 12)	6-12
ARTH 201	Ancient to Medieval Architecture	3
ARTH 202		3

Additional Courses

Additional Courses: Require a grade of C or better

Select 6 credits of the following: 6

ARCH 491	Architectural Design Studio (6, maximum 12)
ARCH 492H	Architectural Design Studio
ARCH 499F	Architectural Design Foreign Study

Supporting Courses and Related Areas

Supporting Courses and Related Areas: Require a grade of C or better

Select 3 credits in non-Western traditions in architecture from approved department list 3

Select 15 credits in consultation with an academic adviser ¹ 15

¹ This category of course work gives students the freedom to explore a range of academic interests, develop concentrations, or pursue minors.

Integrated B.Arch. In Architecture and M.S. in Architecture

Requirements for the Integrated B.Arch. In Architecture and M.S. in Architecture can be found in the Graduate Bulletin (<http://bulletins.psu.edu/graduate/programs/majors/architecture/#integratedundergradprogramstext>).

Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy/>)

University Park

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Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2021-22 academic year. To access previous years' suggested academic plans, please visit the archive (<https://bulletins.psu.edu/undergraduate/archive/>) to view the appropriate

Undergraduate Bulletin edition (*Note: the archive only contain suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

Architecture, B.Arch. at University Park Campus

The course series listed below provides **only one** of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an **Academic Requirements** or **What If** report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

First Year

Fall	Credits Spring	Credits
ARCH 121*	2 ARCH 122*	2
ARCH 131*	4 ARCH 132*	4
ARTH 201 (GA;IL) ^{††}	3 ARTH 202 (GA;IL) ^{††}	3
ENGL 15, 15A, or 30H [‡]	3 AE 210*	3
General Education Course	3 General Education Course	3
	General Education Course	3
	15	18

Second Year

Fall	Credits Spring	Credits
ARCH 203*	3 AE 422*	3
ARCH 210*	3 ARCH 204*	3
ARCH 231*	6 ARCH 232*	6
AE 421*	3 General Education Course	3
CAS 100A, 100B, or 100C [‡]	3 General Education Course	3
	18	18

Third Year

Fall	Credits Spring	Credits
AE 211*	3 AE 424*	3
ARCH 312 or 317 ^{*2}	3 ARCH 332*	6
ARCH 331*	6 ARCH 480	3
ENGL 202A, 202B, 202C, or 202D [‡]	3 General Education Course	3
General Education Course	3 General Education Course (GHW)	1.5
	18	16.5

Fourth Year

Fall	Credits Spring	Credits
ARCH 431	6 Semester Abroad	
ARCH 311W*	3 ARCH 499A*	6
General Education Course	3 ARCH 499B*	3
General Education Course	3 ARCH 499C*	3
General Education Course (GHW)	1.5 Supporting Course for Major (see note) ^{*2}	3
	16.5	15

Fifth Year

Fall	Credits Spring	Credits
ARCH 451*	3 ARCH 492H ^{*1}	6
ARCH 491 ^{*1}	6 Supporting Course for Major (see note) ^{*2}	3

Supporting Course for Major (see note) ^{*2}	3 Supporting Course for Major (see note) ^{*2}	3
Supporting Course for Major (see note) ^{*2}	3	
15		12

Total Credits 162

- * Course requires a grade of C or better for the major
- ‡ Course requires a grade of C or better for General Education
- # Course is an Entrance to Major requirement
- † Course satisfies General Education and degree requirement

¹ **Additional Courses for Major** (6 credits)
Select 6 credits from: ARCH 491 (6, maximum 12), ARCH 492H(6), or ARCH 499F(6) (Sem: 9-10)

- ² **SUPPORTING COURSES AND RELATED AREAS FOR MAJOR** (18 credits)
- Select 3 credits in non-Western traditions in architecture from approved department list (Sem: 1-8)
 - Select 15 credits in consultation with an academic adviser. This category of course work gives students the freedom to explore a range of academic interests, develop concentrations, or pursue minors (Sem: 3-10)

University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

All incoming Schreyer Honors College first-year students at University Park will take ENGL 137H/CAS 137H in the fall semester and ENGL 138T/CAS 138T in the spring semester. These courses carry the GWS designation and replace both ENGL 30H and CAS 100. Each course is 3 credits.

Program Notes:

The Bachelor of Architecture (BARCH) program, which is a direct admission major, is offered only at the University Park campus.

A ten semester sequence of design studio coursework is the central component of the program and it is this sequence which determines the length of time required to complete the program. Because each design studio course is offered only once each year, a minimum of five academic years will be required to complete this sequence.

A portfolio review is required for change of major consideration. Please refer to the Department's Web site for additional information.

Additional Advising Notes:

In order to take A E 210 (Introduction to Architectural Structural Systems), students must be proficient in MATH 22 (College Algebra II and Analytic Geometry) and MATH 26 (Plane Trigonometry). Satisfactory performance on the mathematics proficiency examination or completion of appropriate mathematics coursework will be necessary in order for students to be able to schedule A E 210 in semester 2 of the recommended academic plan.

ARCH 311W may be taken in either semester 5 or semester 6. Because this is a writing-intensive course, the Department cannot accommodate all third-year BARCH students in only one semester. In the opposing semester (5 or 6) students must select 3 credits of non-Western traditions in architecture coursework from ARCH 312 Critical Postcolonial and Contemporary Perspectives in South Asian Architecture (semester 6) or ARCH 317 Theory of Modern Japanese Architecture (semester 5). Other courses meeting the NAAB requirement for global traditions may be approved by petition.

CAS 100 (Effective Speech) is a particularly useful course for BARCH students and may be scheduled earlier than the sophomore year if students are able to do so.

Although the recommended academic plan lists specific semesters for the General Education coursework, in most instances, students have the flexibility to schedule these courses when it is most convenient for them to do so. For example, students who wish to take MATH 140 (Calculus with Analytic Geometry I) and MATH 141 (Calculus with Analytic Geometry II) in order to satisfy the General Education quantification (GQ) requirement may choose to take these courses during the first two semesters of the program.

Students must select 15 credits of supporting courses in consultation with their academic adviser. This category of coursework gives students the freedom to explore a range of interests, develop concentrations, or pursue minors. Students may schedule these courses when it is most appropriate for them to do so. Students may wish to begin taking supporting courses earlier in their academic career in order to pursue a concentration or a minor which involves a sequence of coursework. For example, some students may choose to take Italian language courses prior to the semester they will spend in Rome. For students who do not acquire any background in Italian before going to Rome, an introductory Italian language and culture course is available in Rome.

Career Paths

The B.Arch program prepares those who seek careers as practicing architects. Graduates holding a Bachelor of Architecture first professional degree are eligible, after appropriate internship experience, for admission to professional state licensing examinations, and subsequent registration as architects. The B.Arch program is also a rich passageway to further one's studies at the graduate level in design-related fields. The diversity and broad inquiry integral to architectural studies form a natural path to advanced studies in architecture, landscape architecture, computer science, geography, urban studies, system logistics, art history, and more.

Careers

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES OF THE ARCHITECTURE PROGRAM (<https://stuckeman.psu.edu/jobs/>)

Opportunities for Graduate Studies

While professional practice opportunities are available to Bachelor of Architecture graduates, some B.Arch students may opt to pursue graduate programs in specialized topics or focus areas. Students interested in advanced research will be well-positioned to pursue a Master of Science in Architecture (M.S. in Arch) degree. The Penn State M.S. in Arch program is designed to strengthen the intellectual underpinnings of students' undergraduate work through intensive studio investigations, design applications, and rigorous theoretical inquiry. Alternately, B.Arch students pursue graduate studies in fields spanning sciences, humanities, design, digital technologies, planning, and the arts.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (<http://stuckeman.psu.edu/arch/programs/>)

Professional Resources

- American Institute of Architecture Students (AIAS) (<http://www.aias.org/>)
- National Architectural Accrediting Board, Inc. (NAAB) (<http://www.naab.org/>)

Accreditation

In the United States, most registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. Penn State's Bachelor of Architecture degree is accredited by 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.

MORE INFORMATION ABOUT ACCREDITATION OF THE ARCHITECTURE PROGRAM (<http://stuckeman.psu.edu/arch/accreditation/>)

Professional Licensure/Certification

Many U.S. states and territories require professional licensure/certification to be employed. If you plan to pursue employment in a licensed profession after completing this program, please visit the Professional Licensure/Certification Disclosures by State (<https://psu.edu/state-licensure-disclosures/>) interactive map.

Contact

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