

**The Pennsylvania State University, Bachelor of Architecture (BARCH) Program  
Recommended Academic Plan for Program Year 2009 (Effective SU09)**

Semester 1	Credits	Semester 2	Credits
ARCH 131S Basic Design Studio I	4	ARCH 132 Basic Design Studio II	4
ARCH 121 Visual Communications I	2	ARCH 122 Visual Communications II	2
<i>ART H 201 (GA;IL) Ancient to Medieval Architecture</i>	3	<i>ART H 202 (GA;US;IL) Renaissance to Modern Architecture</i>	3
Quantification (GQ)	3	A E 210 Introduction to Architectural Structural Systems	3
ENGL 015 or ENGL 030 (GWS) Rhetoric and Composition or Honors Freshman Composition	3	Social and Behavioral Sciences (GS)	3
		Humanities (GH)	3
Total Credits:	15	Total Credits:	18
Semester 3	Credits	Semester 4	Credits
ARCH 231 Architectural Design I	6	ARCH 232 Architectural Design II	6
ARCH 203 Materials and Building Construction I	3	ARCH 204 Materials and Building Construction II	3
ARCH 210 Contemporary Design and Planning Theories	3	A E 422 Architectural Structural Systems II	3
A E 421 Architectural Structural Systems I	3	Quantification (GQ)	3
CAS 100A, B, or C (GWS) Effective Speech	3	Natural Sciences (GN)	3
Total Credits:	18	Total Credits:	18
Semester 5	Credits	Semester 6	Credits
ARCH 331 Architectural Design III	6	ARCH 332 Architectural Design IV	6
ARCH 311W Architectural and Planning Theories	3	Non-Western Traditions in Architecture (Selected from Approved Department List)	3
A E 211 Introduction to Environmental Control Systems	3	A E 424 Environmental Control Systems I	3
English 202A, B, C, or D (GWS) Effective Writing	3	Supporting Course	3
Natural Sciences (GN)	3	Health and Physical Activity (GHA)	1.5
Total Credits:	18	Total Credits:	16.5
Semester 7 – Assuming UP Enrollment	Credits	Semester 8 – Assuming Rome Enrollment	Credits
ARCH 431 Architectural Design V	6	ARCH 432A Architectural Design VI	6
Humanities (GH)	3	ARCH 499B Architectural Analysis	3
Natural Sciences (GN)	3	ARCH 499C Urban Studies Topics	3
Social and Behavioral Sciences (GS)	3	Supporting Course	3
Health and Physical Activity (GHA)	1.5		
Total Credits:	16.5	Total Credits:	15
Semester 9	Credits	Semester 10	Credits
ARCH 491 Architectural Design VII	6	ARCH 492 Architectural Design VIII	6
ARCH 451 Architectural Professional Practice	3	ARCH 480 Technical Systems Integration	3
Supporting Course	3	Supporting Course	3
Supporting Course	3		
Total Credits:	15	Total Credits:	12

- **Bold type** indicates the courses which require a quality grade of C or better.
- ***Bold italics*** indicates the courses which require a quality grade of C or better and which satisfy both major and General Education requirements.
- GWS, GQ, GHA, GN, GA, GH, and GS are the codes used to identify courses which satisfy the University's General Education requirements.
- US, IL, and US;IL are the codes used to identify courses which satisfy the University's United States and International Cultures requirements.
- S is a code used to identify courses which satisfy the University's First-Year Seminar requirement.
- W is the code used to identify courses which satisfy the University's Writing Across the Curriculum requirement.

**Scheduling patterns for courses not taught each semester:**

With the exception of ARCH 311W, ARCH 499B, and ARCH 499C, which are taught both fall and spring semesters, all of the prescribed ARCH, A E, and ART H courses required in the BARCH program are offered only once each year. In the fourth year of the program, all students are required to spend one semester in Rome, Italy. Students may choose to go to Rome in either the fall or the spring semester. The design studio sequence during the fourth year will consist of ARCH 431 (UP) and ARCH 432A (Rome); or ARCH 431A (Rome) and ARCH 432 (UP).

**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.

**Academic 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.

Students must select 3 credits of non-Western traditions in architecture coursework from the following approved list of courses: ARCH 312, ARCH 317, ART H 120, ART H 320, ART H 330, or ART H 340. Although this requirement appears in semester 6 of the recommended academic plan, students may schedule this course when it is most convenient for them to do so.

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.

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.