

**VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY**  
**College of Architecture and Urban Studies**  
**School of Architecture + Design**  
**BACHELOR OF ARCHITECTURE (BARCH)**  
**For Students Graduating in Calendar Year 2019**

Student Name	Student Number	
<b>FIRST YEAR</b>	<b>FALL</b>	<b>SPRING</b>
Foundation Design Laboratory		
ARCH 1015 [see note 1 and 10], [University ViEWS requirement - see note 9]	(6)	
ARCH 1016, [University ViEWS requirement- see note 9] [see note 10 and 11]		(6)
Area I: Writing and Discourse		
ENGL 1105, 1106: First Year Writing	(3)	(3)
Area V: Quantitative and Symbolic Reasoning		
MATH 1535, 1536: Geometry and Mathematics of Design	(3)	(3)
Area IV: Scientific Reasoning and Discovery	(3)	
History of Architecture		
ARCH 3115 [Area II: Ideas, Cultural Traditions and Values] [see note 2], [University ViEWS requirement- see note 9], [see note 11]		(3)
<b>Credit Hours for Each Semester</b>	(15)	(15)
<b>CREDIT FOR THE YEAR</b>		<b>(30)</b>
<b>SECOND YEAR</b>	<b>FALL</b>	<b>SPRING</b>
Architecture II		
ARCH 2015 [University ViEWS requirement- see note 9], [see note 10 and 11]	(6)	
ARCH 2016 [University ViEWS requirement- see note 9], [see note 10 and 11]		(6)
Building Materials		
ARCH 2044	(2)	
The Art of Building		
ARCH 2034		(2)
Basic Principles of Structures		
ESM 3704	(3)	
Building Structures		
ARCH 4075 [see note 11]		(3)
History of Architecture		
ARCH 3116 [Area II: Ideas, Cultural Traditions and Values] [see note 2], [University ViEWS requirement- see note 9], [see note 11]	(3)	
Area III: Society and Human Behavior	(3)	(3)
Area IV: Scientific Reasoning and Discovery		(3)
<b>Credit Hours for Each Semester</b>	(17)	(17)
<b>CREDIT FOR THE YEAR</b>		<b>(34)</b>
<b>THIRD YEAR</b>	<b>FALL</b>	<b>SPRING</b>
Architecture III		
ARCH 3015 [University ViEWS requirement- see note 9] [see note 10 and 11]	(6)	
ARCH 3016 [University ViEWS requirement- see note 9] [see note 10 and 11]		(6)
Building Assemblies		
ARCH 3045, 3046 [see note 11]	(2)	(2)
Building Analysis		
ARCH 3054 [University ViEWS requirement- see note 9] [see note 11]		(2)
Building Structures		
ARCH 4076 [see note 11]	(3)	
Environment and Building Systems		
ARCH 4055, 4056 [see note 11]	(3)	(3)
Additional Elective courses in Area II, III, IV or V	(3)	(3)
<b>Credit Hours for Each Semester</b>	(17)	(16)
<b>CREDIT FOR THE YEAR</b>		<b>(33)</b>

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FOURTH YEAR	FALL	SPRING
Architecture IV		
ARCH 4015 [University ViEWS requirement- see note 9], [see note 10 and 11]	(7)	
ARCH 4016 [University ViEWS requirement- see note 9], [see note 10 and 11]		(7)
Professional Practice		
ARCH 4044 [University ViEWS requirement- see note 9]	(3)	
Building Cities		
ARCH 4034		(3)
Ideas, Concepts and Representations of Architecture		
ARCH 4114	(2)	
Professional Elective [see note 3]	(3)	(3)
Area VII: Critical Issues in a Global Context	(3)	
Free Elective [see note 12]		(3)
	(18)	(16)
<b>Credit Hours for Each Semester</b>		
<b>CREDIT FOR THE YEAR</b>		<b>(34)</b>
FIFTH YEAR	FALL	SPRING
Architecture V		
ARCH 4515 [University ViEWS requirement- see note 9], [see note 10 and 11]	(9)	
ARCH 4516 [University ViEWS requirement- see note 9], [see note 11]		(6)
Thesis Documentation		
ARCH 4524 [University ViEWS requirement- see note 9], [see note 11]		(3)
Free Elective [see note 12]	(3)	(3)
Free Elective [see note 12]	(3)	
Free Elective [see note 12]		(2)
<b>Credit Hours for Each Semester</b>	(15)	(14)
<b>CREDIT FOR THE YEAR</b>		<b>(29)</b>
<b>Required for BACHELOR OF ARCHITECTURE Degree</b>		<b>(160)</b>

**Notes:**

- The requirement for Curriculum for Liberal Education Area VI: Creativity and Aesthetic Experience is satisfied through Foundation Design Laboratory, ARCH 1015.
- ARCH 3115-16 fulfills the Curriculum for Liberal Education Area II [Ideas, Cultural Traditions and Values] requirement. Six additional semester hours of electives in Area II, III, or IV related to humanities (a foreign language study is highly recommended), sciences, or social sciences are required of students in the Bachelor of Architecture program.
- Professional elective requirements may be satisfied with courses in **ARCH, ART, BC, IDS, ITDS, LAR, SPIA, UAP, and REAL** at the undergraduate level, if NOT listed as required for the degree. Students choosing the professional electives which are repeatable for credit [Arch 3514, 4214, 4414] may repeat these courses **ONLY** if they are listed with different subtopic titles; duplication of topics will NOT be allowed. Review the Undergraduate Course Catalog for the maximum number of credit hours allowed for each course. To fulfill the degree requirement of at least 6 credits earned through professional elective courses, **no more than one course in each of the three ARCH subject areas of "Media & Methods," "Technology," and "History & Theory"** can be counted towards degree requirements.  
  
 Subject: "**Media & Methods**" consist of the following courses: ARCH 3514: Design-Related Media; ARCH 4164: Computer Applications in Design; ARCH 4304: Topics in Design Methods.  
  
 Subject: "**Technology**" consist of the following courses: ARCH 4144: Advanced Building Structures I; ARCH 4154: Advanced Building Structures II; ARCH 4204: Urban Technology and Architecture; ARCH 4414: Advanced Environment Building Systems.  
  
 Subject: "**History & Theory**" consists of the following courses: ARCH 4214: Topics in Architecture History and Theory and ARCH 4654: Urbanization and Urbanism in Europe.  
  
 The following courses are **not** approved for the professional elective requirement: Independent Study 2974, 4974; Special Study 2984, 4984; Undergraduate Research 4994
- Satisfactory progress toward degree:** in addition to University requirements, upon completion of the second year in the program, students must have completed ARCH 1015-1016, ARCH 2015-2016, ARCH 2034, ESM 3704, ARCH 4075, ARCH 3115-3116, with a minimum in-major grade point average of 2.00 or above.
- A minimum 2.0 GPA in Architecture courses is required for graduation.
- A minimum overall 2.0 GPA is required for graduation.

**7.** In order to graduate with a Bachelor of Architecture degree and to fulfill professional degree requirements mandated by the NAAB, a total of 45 credits in non-architecture courses are required. Non-architecture courses are defined as courses with a course designator other than ARCH (Architecture).

**8.** Restricted Major Requirements: Students who make application to Architecture through the internal transfer process must meet the following requirements prior to entering the major.

A) Min 2.5 GPA in all courses prior to ARCH 1015.

B) Application to Summer Qualifying Design Lab; Interview for Summer Qualifying Design Lab

C) Faculty Review of Summer Work and 3.5 min in Lab for admission to 2nd Yr Lab

D) Faculty Review of Summer Work and < 3.5 and >2.0 min in Lab for admission to 1st Yr Lab

**9.** This course incorporates the university ViEWS [Visual Expression, Writing and Speaking] requirements. Consult the VirginiaTech Curriculum for Liberal Education Guide: <http://www.cle.prov.vt.edu/> for the University Policy on ViEWS. A copy of the specific School proposal is available in the School's administrative offices. The ViEWS communication requirement is met through an array of Theory and History courses, Technology courses, Practicum courses, and Studio courses.

**10.** From the first semester of the first year onward [1015-4516] all students must earn a grade of "C-" or above in each semester of their architecture design lab in order to proceed to the next lab in the five year sequence. A minimum grade of "C-" is required for graduation.

**11.** Course prerequisite required: Please refer to the Undergraduate Course Catalog for specific course prerequisite information.

**12.** It is recommended that at least 14 free elective credit courses be taken at the 2000-level and higher.

**13.** *Foreign Language Requirement:* students who did not complete 2 units of a foreign language in high school must earn 6 credits of a college foreign language, such credits to be in addition to those normally required for graduation.