

ARCHITECTURE
AAS DEGREE

The **Architectural Technology –CADD degree** includes the core group of architecture courses as well as courses designed to prepare students for immediate entry into the workplace as a drafter.

Field of Study Code: ARCH.AAS.CADD

Program Requirements	52
Arch 1100 Introduction to Architecture	3
Arch 1101 Basic Architectural Drafting	3
Arch 1111 Building Materials	4
Arch 1121 Architectural Design Communication	4
Arch 1131 Introduction to Architectural Design	4
Arch 1211 Basic Computer-Aided Drafting — AutoCAD	3
Arch 1411 Introduction to BIM-Revit	3
Arch 2102 Detailing and Construction Documents	4
Arch 2210 Mechanical, Electrical and Plumbing Systems	3
Arch 2220 Architectural Computer Modeling	2
Arch 2230 Structural Systems.....	3
Arch 2240 Codes, Specifications and Contracts	3
Engli 1101 English Composition 1	3
Math 1431 Precalculus I	5
Physi 1201 General Physics I	5

Program Electives6

Select six credits from the following courses. (In addition to the courses listed above.)

Arch 1412 Advanced BIM-Revit	3
Arch 2260 Construction Estimating	3
Arch 2270 Construction Scheduling	3
Arch 2413 BIM Management-Revit	3
Arch 2840 Experimental/Pilot Class	1 to 6

General Education9

(In addition to the courses listed above.)

Total Credits Required67
AAS DEGREE

The **Construction Management degree** combines a variety of architecture and business classes to prepare students for entry-level positions in construction management and construction firms or for transfer to other institutions.

Field of Study Code: ARCH.AAS.CONST

Program Requirements	50-52
Arch 1111 Building Materials	4
Arch 1130 Blueprint Reading.....	2
Arch 1141 Construction Methods I	2
Arch 1301 Introduction to Construction Management...3	
Arch 2142 Construction Methods II	2
Arch 2150 Basic Surveying.....	2
Arch 2240 Codes, Specifications and Contracts	3
Arch 2260 Construction Estimating.....	3
Arch 2270 Construction Scheduling	3
Arch 2413 BIM Management-Revit.....	3
Accou 2140 Financial Accounting	4
Engli 1101 English Composition 1.....	3
Manag1100 Supervision.....	3
Manuf 2280 Industrial Safety	2
Math 1115 Technical Mathematics I	3
OR	
Math 1431 Precalculus I:	5
Philo 1114 Business Ethics	3
Physi 1201 Physics.....	5

Program Electives8

Students are required to take 6-8 credits based on their math class. The degree totals 64 credits. Students may take only one class from English 1102, English 1105 and Math 1635.

Arch 1100 Introduction to Architecture	3
Arch 1101 Basic Architectural Drafting	3
Arch 1211 Basic Computer-Aided Drafting — AutoCAD.....	3
Arch 1411 Introduction to BIM-Revit	3
Arch 1412 Advanced BIM-Revit.....	3
Arch 2102 Detailing and Construction Documents	4
Arch 2210 Mechanical, Electrical and Plumbing Systems	3
Arch 2230 Structural Systems	3
Engli 1102 English Composition 2.....	3
Engli 1105 Workplace Writing	3

General Education6

(In addition to the courses listed above.)

Total Credits Required 64-66

AAS DEGREE

The **Pre-Architecture Technology degree** includes the core group of architecture courses as well as courses designed to prepare students for transfer to baccalaureate or professional programs. The second year curriculum emphasizes portfolio production while the electives allow students to customize their curriculum to match the transfer institution.

Field of Study Code: ARCH.AAS.PRE

Program Requirements.....51 to 52

Arch 1100	Introduction to Architecture.....	3
Arch 1111	Building Materials.....	4
Arch 1121	Architectural Design Communication.....	4
Arch 1131	Introduction to Architectural Design.....	4
Arch 1211	Basic Computer-Aided Drafting — AutoCAD.....	3
Arch 2201	Architectural Design I.....	5
Arch 2202	Architectural Design II.....	5
Arch 2203	Introduction to Architectural Theory.....	3
Arch 2220	Architectural Comp. Modeling.....	2
Arch 2250	Architectural Presentation and Portfolio.....	3
Engli 1101	English Composition 1.....	3
Spec 1100	Fundamentals of Speech Communication.....	3
OR		
Spec 1120	Small-Group Communication.....	3
OR		
Spec 1150	Introduction to Business Communication.....	3
Physi 1201	General Physics I.....	5
Math 2231	Calculus and Analytic Geometry I.....	5
OR		
Math 2134	Calculus for Business & Social Sciences.....	4

Program Electives9

9 hours from the list of elective choices to align with transfer school requirements.

Arch 1101	Basic Architectural Drafting.....	3
Arch 1411	Introduction to BIM - Revit.....	3
Arch 1412	Advanced BIM - Revit.....	3
Arch 2102	Detailing and Construction Documents.....	4
Arch 2210	Mechanical, Electrical, & Plumbing Systems...3	
Arch 2230	Structural Systems.....	3
Engli 1102	English Composition II.....	3

General Education6

Humanities and Social and Behavioral Sciences requirements.

Total Credits Required66 to 67
CERTIFICATE

The **Pre-Architecture certificate** provides students with the group of classes commonly required for transfer to an architectural program. This certificate requires a minimum of 34 credits in program requirements, program electives and general education in the courses listed below.

Field of Study Code: ARCH.CER.PRE

Total Credits Required35
Program Requirements.....19

Arch 1100	Introduction to Architecture.....	3
Arch 1121	Architectural Design Communication.....	4
Arch 1131	Introduction to Architectural Design.....	4
Arch 2201	Architectural Design I.....	5
Arch 2250	Architectural Presentation and Portfolio.....	3

Program Electives6

Select two of the following courses based on transfer institution requirements. Requires approval by architecture advisor.

Arch 1211	Basic Computer-Aided Drafting — AutoCAD.....	3
Arch 1411	Introduction to BIM – Revit.....	3
Arch 2202	Architectural Design II.....	5
Arch 2203	Introduction to Architectural Theory.....	3
Arch 2220	Architectural Computer Modeling.....	2

General Education10

10 credits minimum based on transfer institution requirements. Requires approval by architecture advisor.

CERTIFICATE

The **Architectural Rendering certificate** gives students specific skills for preparing professional architectural presentations in a variety of media. Students should have a background in architecture or art. This certificate is not appropriate as an independent credential but should be used to enhance a primary degree in architecture or illustration.

Field of Study Code: ARCH.CER.REND

Total Credits Required15

Arch 1121	Architectural Design Communication.....	4
Arch 1211	Basic Computer-Aided Drafting - AutoCAD....	3
Arch 1411	Introduction to BIM – Revit.....	3
Arch 2220	Architectural Computer Modeling.....	2
Photo 1101	Foundations of Digital Photography.....	3

The **Construction Management certificate** includes a range of technical architecture classes with basic business topics to give students a first level credential in the construction management field. The certificate prepares students for entry-level positions in construction firms and can serve as the first step to completing the AAS degree in Construction Management. It is especially suited to students who have construction experience or already have a degree in another field. This certificate requires 32 credits in the courses listed below.

Field of Study Code: ARCH.CER.CONST

Total Credits Required	32
Arch 1111 Building Materials	4
Arch 1130 Blueprint Reading	2
Arch 1141 Construction Methods I	2
Arch 1301 Introduction to Construction Management...	3
Arch 2142 Construction Methods II	2
Arch 2150 Basic Surveying	2
Arch 2240 Codes, Specifications and Contracts	3
Arch 2260 Construction Estimating.....	3
Arch 2270 Construction Scheduling	3
Arch 2413 BIM Management-Revit.....	3
Manag1100 Supervision.....	3
Manuf 2280 Industrial Safety	2

CERTIFICATE

The **Architectural Technology certificate** prepares students for entry level positions as drafters in architectural or construction firms.

Field of Study Code: ARCH.CER.ARCH

Total Credits Required	31 to 32
Arch 1101 Basic Architectural Drafting	3
Arch 1111 Building Materials.....	4
Arch 1211 Basic Computer-Aided Drafting – AutoCAD	3
Arch 1411 Introduction to BIM – Revit	3
Arch 1412 Advanced BIM – Revit.....	3
OR	
Arch 2220 Architectural Computer Modeling.....	2
Arch 2102 Detailing and Construction Documents.....	4
Arch 2210 Mechanical, Electrical, and Plumbing Systems .	3
Arch 2230 Structural Systems.....	3
Arch 2240 Codes, Specifications and Contracts	3
Arch 2260 Construction Estimating	3