

ARCHITECTURE SPECIALIZATION

Award

Associate of Applied Science Degree in Computer Aided Drafting and Design (with a Specialization in Architecture)

Length

Four-Semester (Two-Year) Program

Purpose

The purpose of the Architecture specialization program is to supply graduates to business and industry. In addition to being needed by architectural firms, architectural drafters are needed by contractors, local government offices, renovation firms, building supply firms, and other related industries.

Occupational Objectives

Architectural Aide
Architectural Drafter
Architectural Rendering
Drafting Supervisor
Field Assistant

Admission Requirements

Entry into most curriculum courses in Architecture specialization require that students be eligible for MTH 115.

Program Requirements

Approximately 15 credits will include courses in architectural technology with the remaining courses in drafting, general education, and electives. Instruction will include both the theoretical concepts and practical applications needed for future success. Students are advised to consult with their faculty advisor and a counselor to plan their program and select electives. Upon completion of the program, the graduate will receive an Associate of Applied Science degree in Computer Aided Drafting and Design with a specialization in Architecture.

Advanced Placement

Students who have completed a two-year high school drafting program with a "C" average or better and students who have had occupational experience as a drafter may qualify for advanced placement in the program. In the absence of articulation agreements, proficiency tests may be administered to aid in placement and to determine the amount of credit which can be awarded for previous occupational or educational experiences. The student is responsible for supplying evidence to qualify for advanced placement.

Students who plan to transfer to a four-year college after completing the A.A.S. degree requirements should inform their academic advisors to determine the appropriate courses to meet college or university requirements, as they may differ from this program.

FIRST SEMESTER (Fall)

ARC	133	Construction Methodology & Procedures I	3
DRF	114	Drafting I ¹	3
DRF	120	Introduction to Graphic Representation	3
ITE	115	Introduction to Computer Applications & Concepts	3
MTH	115	Technical Mathematics I (or MTH 163)	3
SDV	106	Preparation for Employment (or SDV 100)	1
—	—	Health or PE	1
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SECOND SEMESTER (Spring)

ARC	105	Orientation & History of Architecture	1
ARC	134	Construction Methodology & Procedures II	3
DRF	136	Descriptive Geometry for Drafting	3
DRF	201	Computer Aided Drafting & Design I	4
IND	113	Materials and Processes	2
—	—	Social Science Elective ²	3
—	—	Health or PE	1
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THIRD SEMESTER (Fall)

ARC	251	Architectural Drawing I	3
ARC	255	Construction Estimating	2
DRF	155	Fundamentals of Architectural Drafting	3
DRF	202	Computer-Aided Drafting & Design II	3
DRF	241	Parametric Solid Modeling I	3
ENG	115	Technical Writing (or ENG 111)	3
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FOURTH SEMESTER (Spring)

DRF	203	Computer-Aided Drafting & Design III	3
DRF	238	Computer Aided Modeling & Rendering I	3
DRF	242	Parametric Solid Modeling II	3
DRF	280	Design Capstone Project	2
SPD	137	Oral Interpretation	3
—	—	Social Science Elective ²	3
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Total Minimum Credits

68

FOOTNOTE:

¹DRF 114 is a corequisite first semester if not articulated.

²Students may choose from college approved Social Science electives on page 33 of the NRCC catalog.