

Architectural Design & Construction Technology

ASSOCIATE IN SCIENCE(AS)

2025 - 2026

Student's Name: _____

Student's ID Number: _____

Pathway Navigator: _____

Faculty Advisor: **Antonio Adessi**

General Education (15 hours)

The Associate in Science degree consists of a minimum of 60 college-level semester hours with at least 15 semester hours of General Education Core courses. The General Education Core courses are chosen for their appropriateness for each degree and represent courses from each of the following disciplines: humanities/fine arts, natural science/mathematics, behavioral science/social science and communications. Consult with your Faculty Advisor if you have any questions.

Communications (3/4 credits)

- ☐ ENC1101 English Composition I●+* 3
☐ ENC1101C Enhanced English Comp. I●+* 4

Humanities (3 credits)

Humanities 1–Visual & Performing Arts

- ☐ ARH2000 Understanding Visual Arts● 3

Mathematics (3 credits) Select one Mathematics Course

- ☐ MAC1105 College Algebra●+* 3

Natural Sciences (3 credits) Select one Science course

Physical Sciences

- ☐ AST1002 Descriptive Astronomy● 3
☐ CHM1045 General Chemistry●+ 3
☐ ESC2000 Earth & Space Science Survey● 3
☐ EVR1001 Intro. to Environmental Science● 3
☐ GLY1010 Physical Geology● 3
☐ OCE1001 Fundamentals of Oceanography● 3
☐ PHY1020 Basic Concepts of Physics● 3
☐ PHY2048 University Physics I●+ 4
☐ PHY2053 College Physics I●+ 3

Biological Sciences

- ☐ BSC1005 General Biological Science● 3
☐ BSC2010 Biology for Science Majors I●+ 3
☐ BSC2085 Anatomy & Physiology I●+ 3

Social Sciences (3 credits) Select one Social Science Course

History

- ☐ AMH2010 United States History I●@ 3
☐ AMH2020 United States History II●@ 3

Government

- ☐ POS2041 American Nat'l Government●@ 3

Developmental Courses

- ☐ ENC0022 Dev. Writing I & II Combined* 3
☐ REA0019 Dev. Reading I & II Combined* 3
☐ MAT0012 Dev. Arithmetic with Algebra* 3

Major Courses (51 hours)

This program will prepare students for employment as construction planners or provide supplemental training for persons previously or currently employed in these occupations.

- ☐ EGN1110C Engineering Drawing 3
☐ ETD1320C Introduction to CAD# 3
☐ BCN1230 Materials and Methods 3
☐ ARC2180 Introduction to Digital Architecture+ 3
☐ ARC1301C Design 1.1+ 4
☐ ARC1302C Design 1.2+ 4
☐ BCN2405 Statics and Strength of Materials 3
☐ ARC2312C Intro. Building Assembly Model.+ 4
☐ TAR2122 Residential Architectural Design+# 1
☐ TAR2122L Residential Design Lab+# 3
☐ TAR2154 Commercial Architectural Design+ 1
☐ TAR2154L Commercial Design Lab+ 3
☐ ARH2060 History of Architecture 3

Select 13 Credit Hours from these Courses

- ☐ ARC2303C Architectural Design 3+ 5
☐ ARC2304C Architectural Design 4+ 5
☐ GIS2040C Intro. Geographic Inform. Systems* 3
☐ BCT2715 Construction Management# 3
☐ BCT2770 Construction Estimating 3
☐ CGN2328C Tech. Drawing and Visualization+ 3

☐ ARC2949 Architecture COOP+ 1-3
Or
☐ BCN2949 Building Construction COOP+ 1-3

Courses not Used

- ☐ _____
☐ _____
☐ _____
☐ _____
☐ _____
☐ _____
☐ _____
☐ _____

Other AS Requirements

- ☐ **General Education Core Requirement**
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences

☐ **Civic Literacy Requirement (@)**
Successful completion of AMH 2020 OR POS 2041 AND passing score on the Florida Civic Literacy Exam (FCLE)

Notes

Key

- + = Prerequisite or co-requisite required
* = Minimum grade of "C" required
@ = Course meets Civic Literacy Requirement
● = General Education Core course
= Applies to A.S. and Certificate Programs