Academic Plan - Associate of Applied Science Architectural Studies –Pre-Architecture

**Catalog Year: 2018/2019**

**Total Credits:** **61**

The Associates of Applied Science of Architectural Studies at Arapahoe Community College offers two concentrations:

Pre-Architecture - For students interested in licensure and continuing their education

Architecture Technician - For students wishing to enter the profession upon graduation from this program

Students will be introduced to a wide range of architectural and construction topics such as design and modeling concepts, structural analysis, building service systems, and sustainability.

The Architectural Engineering degree provides a foundation for transfer to university or, in combination with out internshipand certificate programs, will help facilitate entry into or continuing education for the profession.

# A - General Education Courses

3 Credits, ART 110 - Art Appreciation OR ART 111 - Art History Ancient to Medieval, OR ART 112 - Art History

Renaissance to Modern: GT-AH1\*, available fall spring summer

3 Credits, ART 121 - Drawing I, available fall spring summer

3 Credits, ENG 121 - English Composition I: GT-CO1\*, available fall spring summer

3 Credits, ENG 122 - English Composition II: GT-CO2, available fall spring summer

3 Credits, ENV 110 - Natural Disasters: GT-SC2\*, available fall spring

3 Credits, GEO 105 - World Regional Geography OR GEO 106 - Human Geography (GT-SS2)\*, available fall spring summer

3 Credits, HIS 101 - Western Civilization: Antiquity-1650 OR HIS 102 - Western Civilization: 1650-Present\*, available fall spring summer

3 Credits, HUM 121 - Humanities: Early Civilizations, HUM 122 - Humanities: Medieval to Modern, OR HUM 123

- Humanities: The Modern World (GT-AH2)\*, available fall spring summer

3 Credits, MAT 122 - College Trigonometry: GT-MA1, available fall spring summer

3 Credits, SOC 101 - Introduction to Sociology I, SOC 102 - Introduction to Sociology II OR SOC 207 -

Environmental Sociology (GT-SS3)\*, available fall spring summer

4 Credits, MAT 121 - College Algebra: GT-MA1\*, available fall spring summer

5 Credits, PHY 111 - Physics: Algebra-Based I with Lab: GT-SC1\*, available fall spring

# B - Major Courses

3 Credits, AEC 100 - Introduction to Design Theory\*, available fall spring summer

3 Credits, AEC 116 - Building Materials\*, available fall spring

3 Credits, AEC 206 - Applied Structure Analysis\*, available spring

3 Credits, AEC 208 - Building Environmental Systems I, available spring

3 Credits, AEC 236 - International Building Codes\*, available spring

3 Credits, CAD 224 - Revit Architecture, available fall spring summer

4 Credits, AEC 110 - Architectural Design & Modeling\*, available fall spring

# Pre-Requisites, Co-Requisites, and Recommendations

AEC 206 - Applied Structure Analysis\*

Pre-Requisite: MAT 121 - College Algebra: GT-MA1 or higher

ENG 122 - English Composition II: GT-CO2

Pre-Requisite: ENG 121 - English Composition I OR ENG 131 - Technical Writing I

MAT 122 - College Trigonometry: GT-MA1

Pre-Requisite: MAT 121 - College Algebra or Higher

PHY 111 - Physics: Algebra-Based I with Lab: GT-SC1\*

Pre-Requisite: MAT 121 - College Algebra or Higher

AEC 208 - Building Environmental Systems I

Pre-Requisite: AEC 116 - Building Materials\*

Pre-Requisite: MAT 121 - College Algebra: GT-MA1\*

Pre-Requisite: OR Instructor's permission

# Notes

Course availability is subject to change.

Refer to 19/20 catalog for specific requirements and important information about this degree.

Recommended courses may be listed above for certain electives; consult with the Academic Advising Office (advising@arapahoe.edu or 303.797.5664) for additional elective recommendations.

\*This course requires college level readiness as measured by Accuplacer, ACT, or SAT scores; approved high school course work that is less than five years old; or successful completion of appropriate college-readiness course.

AAA 101 – College 101: Student Experience is required for all new college students seeking degrees or transfer.

# Graduation Requirements

To graduate, students must apply for graduation (form available at www.arapahoe.edu/departments-and-programs/graduation) by the deadline and meet all degree requirements.

# RECOMMENDED COURSE SEQUENCE FULL-TIME TRACK

## Year 1: Fall

3 Credits, AEC 100 - Introduction to Design Theory

3 Credits, AEC 116 - Building Materials

3 Credits, ART 110 - Art Appreciation OR ART 111 - Art History Ancient to Medieval, OR ART 112 - Art History Renaissance to Modern: GT-AH1\*

3 Credits, ART 121 - Drawing I

3 Credits, ENG 121 - English Composition I: GT-CO1

## Year 1: Spring

4 Credits, AEC 110 - Architectural Design & Modeling

3 Credits, ENG 122 - English Composition II: GT-CO2

3 Credits, ENV 110 - Natural Disasters: GT-SC2

3 Credits, HIS 101 - Western Civilization: Antiquity-1650 OR HIS 102 - Western

Civilization: 1650-Present

4 Credits, MAT 121 - College Algebra: GT-MA1

## Year 2: Fall

3 Credits, CAD 224 - Revit Architecture

3 Credits, HUM 121 - Humanities: Early Civilizations, HUM 122 - Humanities: Medieval to Modern, OR HUM 123 - Humanities: The Modern World (GT-AH2)

3 Credits, MAT 122 - College Trigonometry: GT-MA1

5 Credits, PHY 111 - Physics: Algebra-Based I with Lab: GT-SC1

## Year 2: Spring

3 Credits, AEC 206 - Applied Structure Analysis

3 Credits, AEC 208 - Building Environmental Systems I

3 Credits, AEC 236 - International Building Codes

3 Credits, GEO 105 - World Regional Geography OR GEO 106 - Human Geography

3 Credits, SOC 101 - Introduction to Sociology I, SOC 102 - Introduction to Sociology II OR SOC 207 - Environmental Sociology

# RECOMMENDED COURSE SEQUENCE PART-TIME TRACK

## Year 1: Fall

3 Credits, AEC 100 - Introduction to Design Theory

3 Credits, ART 121 - Drawing I

3 Credits, ENG 121 - English Composition I: GT-CO1

## Year 1: Spring

3 Credits, AEC 116 - Building Materials

3 Credits, ENG 122 - English Composition II: GT-CO2

4 Credits, MAT 121 - College Algebra: GT-MA1

## Year 1: Summer

3 Credits, ART 110 - Art Appreciation OR ART 111 - Art History Ancient to Medieval, OR

ART 112 - Art History Renaissance to Modern: GT-AH1\*

3 Credits, MAT 122 - College Trigonometry: GT-MA1

## Year 2: Fall

4 Credits, AEC 110 - Architectural Design & Modeling

5 Credits, PHY 111 - Physics: Algebra-Based I with Lab: GT-SC1

## Year 2: Spring

3 Credits, AEC 206 - Applied Structure Analysis

3 Credits, AEC 208 - Building Environmental Systems I

3 Credits, ENV 110 - Natural Disasters: GT-SC2

## Year 2: Summer

3 Credits, HIS 101 - Western Civilization: Antiquity-1650 OR HIS 102 - Western

Civilization: 1650-Present

3 Credits, HUM 121 - Humanities: Early Civilizations, HUM 122 - Humanities: Medieval to

Modern, OR HUM 123 - Humanities: The Modern World (GT-AH2)

## Year 3: Fall

3 Credits, CAD 224 - Revit Architecture

3 Credits, GEO 105 - World Regional Geography OR GEO 106 - Human Geography (GT-

3 Credits, SOC 101 - Introduction to Sociology I, SOC 102 - Introduction to Sociology II OR

SOC 207 - Environmental Sociology (GT-SS3)

## Year 3: Spring

3 Credits, AEC 236 - International Building Codes