



Architectural & Engineering Design

Associate in Applied Science

Four-Semester Pathway - Academic Year 2018-2019

| Semester 1 | Requirement | Recommended | Prerequisites | Corequisites | Credits | My Plan |
|------------------------------|--|------------------------------------|--------------------------|-------------------------|---------|---------|
| FIGS-100 | Freshman Interest Group | | | | 1 | |
| | Mathematics Elective (100-level or higher) | | MATH-030 | | 3 4 | |
| ENGL-100 | English Composition | | ENGL-090, ENGL-095 | | 3 | |
| AEDD-100 | Print Reading | | MATH-030 | | 3 | |
| AEDD-105 | CAD Graphics | | MATH-030 | | 3 | |
| | AEDD Elective | See suggested electives on reverse | See course prerequisites | See course corequisites | 3 | |
| Semester 2 | | | | | | |
| AEDD-160 | CAD Applications | | AEDD-105 | | 3 | |
| | Social Science Elective | | See course prerequisites | See course corequisites | 3 | |
| Parametric Modeling Elective | AEDD-170 Parametric Solid Modeling OR AEDD-220 Architectural BIM | See suggested electives on reverse | See course prerequisites | See course corequisites | 3 | |
| | AEDD Elective | See suggested electives on reverse | See course prerequisites | See course corequisites | 3 | |
| | Physics elective with lab | | See course prerequisites | See course corequisites | 4 | |
| Semester 3 | | | | | | |
| AEDD-210 | AutoCAD-3D | | AEDD-160 | | 3 | |
| | AEDD Elective | See suggested electives on reverse | See course prerequisites | See course corequisites | 3 | |
| | Technical Elective | | See course prerequisites | See course corequisites | 3 | |
| AEDD-205 | Technical Illustration | | AEDD-100 or AEDD-105 | | 3 | |
| ENGL-115 | Introduction to Literature | | ENGL-100 | | 3 | |
| Semester 4 | | | | | | |
| AEDD-255 | Applied Engineering - Buildings | | MATH 140 or 145 | | 3 | |
| AEDD-260 | CAD Management | | AEDD-160 | | 3 | |
| | Technical Elective | | See course prerequisites | See course corequisites | 3 | |
| | Arts and Humanities Elective | | See course prerequisites | See course corequisites | 3 | |
| | Social Science Elective | | See course prerequisites | See course corequisites | 3 | |

AEDD Elective options include: AEDD-140 Interior Design, AEDD-216 Sustainable Design, AEDD-240 Building Systems, AEDD-265 Commercial Architecture



Architectural & Engineering Design

| General Education Requirements | | | | | |
|---------------------------------------|--|----------------------|---------------------|----------------|------------|
| COURSE CODE | COURSE TITLE | PREREQUISITES | COREQUISITES | CREDITS | MET |
| ENGL-100 | English Composition | ENGL-090, ENGL-095 | | 3 | |
| ENGL-115 | Introduction to Literature | ENGL-100 | | 3 | |
| FIGS-100 | Freshman Interest Group Elective | | | 1 | |
| | Mathematics Elective (100-level or higher) | MATH-030 | | 3 | |
| | Physics Elective | | | 4 | |
| | Fine Arts or Humanities Elective | | | 3 | |
| | Social Science Elective | | | 6 | |

| Major Required Courses | | | | | |
|-------------------------------|--|----------------------|---------------------|----------------|------------|
| COURSE CODE | COURSE TITLE | PREREQUISITES | COREQUISITES | CREDITS | MET |
| AEDD-100 | Print Reading | MATH-030 | | 3 | |
| AEDD-105 | CAD Graphics | MATH-030 | | 3 | |
| AEDD-160 | CAD Applications | AEDD-105 | | 3 | |
| AEDD-205 | Technical Illustration | AEDD-100 or AEDD-105 | | 3 | |
| AEDD-210 | AutoCAD-3D | AEDD-160 | | 3 | |
| AEDD-255 | Applied Engineering-Buildings | MATH-140 or MATH-145 | | 3 | |
| AEDD-260 | CAD Management | AEDD-160 | | 3 | |
| | Architectural & Engineering Design Electives | | | 9 | |
| | Parametric Modeling Elective (AEDD-170 or AEDD-220) | | | 3 | |
| | Approved Technical Elective | | | 6 | |

2018-2019

| Architecture Suggested Courses & Order | Mechanical Design Suggested Courses & Order |
|--|---|
| <i>AEDD Elective 1</i> - AEDD-165 Basic Architecture | <i>AEDD Elective 1</i> - AEDD-107 Industrial Design |
| <i>AEDD Elective 2</i> - AEDD-140 Interior Design | <i>Parametric Modeling Elective</i> - AEDD-170 Parametric Solid Modeling |
| <i>Parametric Modeling Elective</i> - AEDD-220 Architectural BIM | <i>AEDD Elective 2</i> - AEDD-250 Mechanical Design |
| <i>AEDD Elective 3</i> - AEDD-216 Sustainable Design | |
| <i>Note: AEDD-140 and AEDD-220 may be taken concurrently should classes be offered in the same semester.</i> | <i>AEDD Elective 3</i> - AEDD-251 Mechanical Design II (when available) or select any other AEDD course not already required. |