

## DRAFTING - ARCHITECTURAL

The architectural drafting program trains students to develop detailed working drawings for use in the construction of residential and commercial buildings. The program centers on the basic techniques of drafting — linework, lettering, and problem solving — and freehand sketching and calculations for measurements, volumes, site preparation, energy needs, and cost analysis. Successful graduates may find employment with architectural and engineering firms, general contractors, material suppliers, structural fabricators, or modular and component manufacturers of residential buildings. (Enrollment into this program is limited and is based on the date of application.)

Before admission to the program, students will need to attain the following minimum entrance scores: COMPASS: Math Pre-Algebra Test 30, Reading 60, Writing 34; ASSET: Math Numerical Skills Test 37, Reading 35, Writing 38; ACT: Math 16, Reading 14, English 14.

### Required Program of Study for Associate of Applied Science Degree (2 years)

#### FRESHMAN YEAR

##### First Semester

| Course  | Credits |
|---|---------|
| ARCH 1100 Architectural Drafting I.....         | 2       |
| ARCH 1110 Architectural Drafting I Lab.....     | 2       |
| ARCH 1120 Materials of Construction.....        | 3       |
| ARCH 1140 Introduction to Construction.....     | 1       |
| ARCH 1150 Introduction to Construction Lab..... | 2       |
| ARCH 1240 Computer-Assisted Drafting I.....     | 2       |
| ARCH 1250 Computer-Assisted Drafting I Lab..... | 2       |
| INFO 1100 Microcomputer Applications.....       | 3       |
| MATH 1020 Applied Mathematics I.....            | 3       |
|   | 20      |

##### Second Semester

| Course                                       | Credits |
|--|---------|
| ARCH 1200 Architectural Drafting II.....     | 4       |
| ARCH 1210 Architectural Drafting II Lab..... | 6       |
| ARCH 1220 Estimating for Construction.....   | 3       |
| MATH 1060 Applied Mathematics II.....        | 3       |
| PSYC 1000 Human Relations.....               | 2       |
|  | 18      |

##### Summer Session (Elective)

|  |   |
|--|---|
| ARCH 1290 Nucor Detailing Orientation..... | 3 |
|--|---|

#### SOPHOMORE YEAR

##### First Semester

| Course                                       | Credits |
|--|---------|
| ARCH 2100 Surveying and Site Planning.....   | 3       |
| ARCH 2150 Civil Drafting.....                | 2       |
| ARCH 2170 Structural CAD Drafting I.....     | 4       |
| ARCH 2300 Computer-Assisted Drafting II..... | 4       |
| BSAD 2050 Business Communications.....       | 3       |
| ECON 1040 Personal Finance.....              | 2       |
|  | 18      |

##### Second Semester

| Course                                    | Credits |
|---|---------|
| ARCH 2120 Building Mechanicals.....       | 3       |
| ARCH 2200 Structural CAD Drafting II..... | 6       |
| ARCH 2250 Construction Documents.....     | 2       |
| ARCH 2260 Introduction to Inventor.....   | 3       |
| PHYS 2150 Structural Analysis.....        | 3       |
|   | 17      |

**Total Credit Hours**

**73-76**