

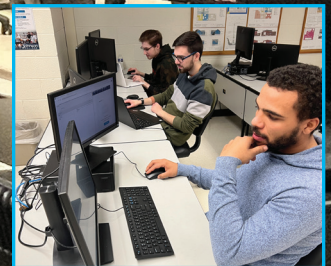
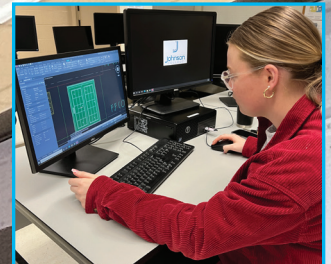
# ARCHITECTURAL DRAFTING & DESIGN TECHNOLOGY

## CAREER PATHS

ARCHITECTURAL DRAFTER  
REAL ESTATE DEVELOPMENT  
CAD & DRAFTING TECHNICIAN  
COST ESTIMATOR  
STRUCTURAL DRAFTER  
FACILITY MANAGEMENT TECHNICIAN  
CONSTRUCTION INSPECTION TECHNICIAN

## SALARY

\$62,530\*  
MEDIAN ANNUAL INCOME



SCAN FOR YOUR FUTURE

# ARCHITECTURAL DRAFTING & DESIGN TECHNOLOGY



## PROGRAM OBJECTIVE

The Architectural Drafting & Design Technology program prepares students as entry-level technicians in computer-assisted drafting (CAD) and Building Information Modeling (BIM) for residential and commercial construction. Students will work and learn in all areas of Architectural design and drafting. Instruction and hands-on learning includes all phases of building design drafting, print reading, cost estimating, specifications writing and sustainability concepts.

## READY. SET. WORK.

- Goal 1:** Graduates will acquire the skills necessary to obtain an entry-level position in the design field.
- Goal 2:** Graduates will demonstrate professional behavior and ethics in order to meet the challenges of work within their field.
- Goal 3:** Graduates will acquire critical thinking and decision making skills.

Applicants are encouraged to arrange a campus visit and a personal information session with a Recruitment Advisor. Appointments may also be made to meet with appropriate faculty and current students.

## CAREER OPPORTUNITIES

Graduates work as designers, computer drafting technicians, construction estimators, architects' representatives, engineering technicians, facility management technicians and field construction inspectors.

Typical employers in the architectural career field are residential, commercial, and industrial contractors and land developers; architectural design firms, civil design firms, and structural engineering companies; modular and mobile home builders; facilities management companies; real estate developers; and government design agencies.

## PROGRAM COURSES

CREDITS

### SEMESTER 1

|  |   |
|--|---|
| Introduction to Computer Assisted Drafting (CAD)     | 2 |
| Introduction to Computer Assisted Drafting (CAD) Lab | 2 |
| Contract Drawings                                    | 3 |
| Introduction to Civil Design                         | 3 |
| English Composition I or Industry Communication      | 3 |
| College Algebra I and Trigonometry                   | 3 |
| First-Year Experience                                | 1 |

### SEMESTER 2

|                                 |   |
|---------------------------------|---|
| Residential Planning            | 2 |
| Residential Planning Lab        | 2 |
| Project Estimating              | 3 |
| Technical Sketching             | 3 |
| Public Speaking                 | 3 |
| Trigonometry                    | 3 |
| Statics & Strength of Materials | 3 |

### SEMESTER 3

|  |   |
|--|---|
| Building Information Modeling, Residential     | 2 |
| Building Information Modeling, Residential Lab | 2 |
| Codes and Ordinances                           | 3 |
| Architectural History                          | 3 |
| Construction Materials & Management            | 3 |
| Introduction of Business                       | 3 |

### SEMESTER 4

|   |   |
|---|---|
| Specifications                                | 3 |
| Building Information Modeling, Commercial     | 2 |
| Building Information Modeling, Commercial Lab | 2 |
| Sustainability Design                         | 3 |
| Internship                                    | 2 |
| Business Research and Report Writing          | 3 |
| BTT Elective                                  | 3 |

**MINIMUM CREDITS TO GRADUATE 70**



This semester layout is based off of a fall start. Students who start in the spring will be required to attend an additional semester to complete their degree.

There may be special admission requirements for this program. Please speak with a Recruitment Advisor by calling 570-702-8856 or visit our website [johnson.edu](http://johnson.edu) to review our requirements.