DESIGN & DRAFTING TECHNOLOGY

www.southeast.edu/DesignDraftingTechnology

ARCHITECTURAL DESIGN FOCUS prepares the student for employment in a variety of exciting and rewarding areas of the architectural and engineering fields. Students focus on the design and construction methods used in residential and commercial buildings. Within this focus, students enter the workforce as Structural Engineering Technicians, Mechanical Systems Engineering Technicians, Architectural Design Technicians, Electrical Systems Engineering Technicians, as well as Construction Estimators.

COMPUTER AIDED DESIGN DRAFTING FOCUS takes a holistic approach to learning design techniques as they apply to a variety of industry applications. Students utilize state-of-the-art tools and technology to perform multiple methods and techniques in various areas of design, which will serve as valuable experience in directing their decision regarding which area of industry they may have an interest/preference upon graduation. Within this focus, students enter the workforce as Engineering Technicians, Product Designers, Revit Technician, BIM/VDC Coordinator, CAD Designer, as well as a Design Engineer.

Core classes are offered on both the Lincoln and Milford campuses.

The Architectural Design focus admits new students in the Summer (July) quarter at the Milford Campus.

The Computer Aided Design Drafting focus admits new students in the Fall (October) and Spring (April) quarters at the Lincoln Campus.

Recent graduates were hired as:
• Architectural Drafter
• CAD Drafter
• Civil BIM Technician
• Design Technician III
• Designer
• Drafter
• Electrical Engineering Drafter
• Steel Detailer
• Structural Technician

Graduate Earnings
Recent graduates report an average starting wage of $17.15 per hour.

For more information contact:
Architectural Design focus
Paul Buell, Program Chair - Milford
402-761-8351, 800-933-7223 ext. 8351
pbuell@southeast.edu

Computer Aided Design Drafting focus
Dave Zachek, Program Chair - Lincoln
402-437-2651, 800-642-4075 ext. 2651
dzachek@southeast.edu

or the College Admissions Office
Lincoln 402-437-2600, 800-642-4075 ext. 2600
Milford 402-761-8243, 800-933-7223 ext. 8243

Equal Opportunity/NonDiscrimination Policy - It is the policy of Southeast Community College to provide equal opportunity and nondiscrimination in all admission, attendance, and employment matters to all persons without regard to race, color, religion, sex, age, marital status, national origin, ethnicity, veteran status, sexual orientation, disability, or other factors prohibited by law or College policy. Inquiries concerning the application of Southeast Community College’s policies on equal opportunity and nondiscrimination should be directed to the Vice President for Access/Equity/Diversity, SCC Area Office, 301 S. 68th Street Place, Lincoln, NE 68510, 402-323-3412, FAX 402-323-3420, or jsoto@southeast.edu. This publication should not be considered a contract between SCC and any prospective student. SCC’s Board of Governors reserves the right to make changes in this publication during the life of the publication and without notice.
The core Design & Drafting Technology courses provide a base line of common technical knowledge and skills for students to succeed in a wide variety of career fields.

Course # Course title Credit hrs.
DDRT1120 Basic Computer Aided Drafting 4.0
DDRT1440 Virtual Building Design with Revit 4.0
DDRT1230 Print Reading 3.5
DDRT1310 3-D Visualization 3.0
DDRT1340 Strengths of Materials 4.0
DDRT1350 Estimating for Light Construction 3.5
DDRT2540 Building Safety & Design 4.5
DDRT1170 Light Construction Materials & Methods 4.0
DDRT2901 Cooperative Experience Drafting I 5.0

Architectural Design Focus
The Architectural Design Focus expands on the core courses to provide additional training in design and construction methods used in residential and commercial buildings.

Course # Course title Credit hrs.
DDRT1250 Plumbing System Theory & Design 6.0
DDRT1207 Heating & Air Conditioning Systems I 3.5
DDRT1320 Heating & Air Conditioning Systems II 6.0
DDRT1420 Advanced Mechanical Systems Theory & Drafting 6.0
DDRT2750 Electrical Systems Theory & Drafting 6.0
DDRT2839 Commercial Estimating 3.5
DDRT2530 Steel Systems Design & Drafting 6.0
DDRT2546 Site Planning & Surveying 3.0
DDRT2660 Concrete & Wood Systems Design & Drafting 6.0
DDRT1338 Residential Design & Drafting 4.0
DDRT2650 Fundamentals of Commercial Architecture 7.5

Computer Aided Design Drafting Focus
The Computer Aided Design Drafting Focus expands on core courses to provide additional training in design techniques as they apply to a variety of industry applications.

Course # Course title Credit hrs.
DDRT1110 Industrial Print Reading 3.0
DDRT1220 Inventor 3.0
DDRT1224 3-D Civil CAD 3.0
DDRT1330 SolidWorks 3.0
DDRT1500 Advanced Virtual Building Design w/Revit 4.0
DDRT2110 Architectural Design 3.0
DDRT2150 Structural Steel Design w/SDS/2 3.0
DDRT2130 Industrial Plastics 3.0
DDRT2180 Professional Practice-Architectural 3.0
DDRT2200 Geometric Dimensioning & Tolerancing 3.0
DDRT2210 Structural Steel Design w/SDS/2 3.0
DDRT2230 Flat Pattern Design 3.0
DDRT2230 Design Concepts 3.0
DDRT2240 Consumer Product Design 3.0
DDRT2260 Jigs & Fixture Design 3.0
DDRT2140 Building Utility Design 5.0

Estimated Expenses
Nebraska resident tuition/fee rate is $69.50 per credit hour. Out-of-state tuition/fee rate is $83.50 per credit hour. Graduation fee is $25. Housing is available at Beatrice and Milford campuses only. Tuition, books and fees are dependent upon classes taken each quarter.

A.A.S. DEGREE
Based on 48 credit hours at 15 credit hours per quarter, will take approx. 8 quarters to complete.
Tuition & Fees $8,027
Books 3352
Total for Focus $11,379

DIPLOMA
Based on 48 credit hours at 15 credit hours per quarter, will take approx. 4 quarters to complete.
Tuition & Fees $3,336
Books 858
Total for Diploma $4,194

CERTIFICATE
Based on 32.5 credit hours at 15 credit hours per quarter, will take approx. 2 quarters to complete.
Tuition & Fees $2,259
Books 744
Total for Certificate $3,003

Additional supplies
Architecture Design $10
Computer Aided Design Drafting $240