

# Architectural Design Graphics II

## Certificate in Applied Science

### Credit Requirements: 14 Semester Credit Hours

This certificate is designed for students with previous experience in architectural graphics who want to move into the advanced areas of architectural graphics. In addition to the drawing classes, this certificate includes the study of software for architectural presentations.

For admission into this program, you must complete Architectural Design Graphics I or receive approval from your advisor.

### Recommended Sequence of Courses

#### First Semester – Fall

AET 111	Architectural Computer Graphics I	3
		<b>Total 3</b>

#### Second Semester – Spring

AET 120	Architectural Graphics II	3
AET 221	Architectural Computer Graphics II	4
		<b>Total 7</b>

#### Third Semester – Summer

AET 233	Architectural CAD Presentations	4
		<b>Total 4</b>

# Basic Electronic Journeyman I

## Certificate in Applied Science

### Credit Requirements: 20 Semester Credit Hours

The curriculum for this certificate teaches basic electrical/electronics fundamentals needed to enter the electronics technician workforce. Courses combine a mixture of classroom and lab instruction using the classroom to present basic theory and the lab to reinforce that theory with hands-on practical experiments.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.

### Recommended Sequence of Courses

#### First Semester

EGR 104	Engineering Technology Foundations	3
*MAT 170	Algebra, Geometry and Trigonometry I	3
		<b>Total 6</b>

## Second Semester

**EET 113	Electrical Circuits I	4
***ENG 150	Basic Communications	3
		<b>Total 7</b>

## Third Semester

EEM 131	Solid State Devices	4
QAT 101	Introduction to Quality Assurance	3
		<b>Total 7</b>

*\*Or MAT 110 College Algebra*

*\*\*Alternate Sequence, EEM 117 AC/DC Circuits I*

*\*\*\*Alternate Sequences, ENG 101 English*

*Composition I and ENG 260 Advanced Technical Communications; or ENG 101 English Composition I and SPC 209 Interpersonal Communication*

# Chemical Engineering Transfer (USC)

## Certificate in Applied Science

### Credit Requirements: 35 Semester Credit Hours

This certificate allows you to select course work to transfer to the University of South Carolina's Bachelor of Science in Chemical Engineering curriculum. Please see an advisor for actual course offering times, scheduling and prerequisites. For entry into the program, you must be a high school graduate or possess a GED and have taken the prerequisite for each course listed.

### Recommended Sequence of Courses

ECE 221	Introduction to Electrical Engineering I	3
EGR 260	Engineering Statics	3
EGR 262	Engineering Dynamics	3
<b>or</b>		
EGR 264	Introduction to Engineering Mechanics of Solids	3
EGR 266	Engineering Thermodynamics Fundamentals	3
EGR 275	Introduction to Engineering/Computer Graphics	3
MAT 141	Analytic Geometry and Calculus II	4
MAT 240	Analytic Geometry and Calculus III	4
MAT 242	Differential Equations	4
PHY 221	University Physics I	4
PHY 222	University Physics II	4
		<b>Total 35</b>