DRAFTING & DESIGN (CADD)

CADD-215 BASIC AUTOCAD
3 credit hours, 4 contact hours (3 Lecture/1 Lab Hours Per Week)
This is an entry level course for students to learn basic drafting standards. AutoCAD software will be used throughout the course. Topics include: terminology, techniques, and applications of computer generated design as it relates to engineering, product design, and architecture. *3 credit hours/4 billed contact hours*
Fee: $65.00

CADD-216 ADVANCED AUTOCAD
3 credit hours, 4 contact hours (3 Lecture/1 Lab Hours Per Week)
This course is intended to introudce the aspects of Advance Computer Aided Drafting techniques using AutoCAD. AutoCAD software will be used throughout the course. Topics include: advanced terminoloyg, techniques, and applicaitons of computer generated design as it relates to engineering and product design. *3 credit hours/4 billed contact hours*
Requisite(s): Must complete CADD 215
Fee: $65.00

CADD-217 COMPUTER AIDED MODELING-INVENTOR
3 credit hours, 4 contact hours (3 Lecture/1 Lab Hours Per Week)
This course is intended to introduce the aspects of Advanced Computer Aided Drafting. Techniques using Inventor and SolidWorks. Inventor and SolidWorks software will be used throughtout the course. Topics include: advanced terminology, techniques, and applications of computer generated design as it relates to engineering and product design. *3 credit hours/4 billed contact hours*
Requisite(s): Must complete CADD-215 and CADD-216
Fee: $65.00

CADD-218 COMPUTER AIDED MODELING-SOLIDWORKS
3 credit hours, 4 contact hours (3 Lecture/1 Lab Hours Per Week)
This course is intended to introduce the advanced aspects of 3D Modeling using SolidWorks. SolidWorks software will be used throughout the course. Topics include: advance terminology, techniques, and applications of computer generated design as it relates to engineering and product design. *3 credit hours/4 billed contact hours*
Requisite(s): Must complete CADD-217
Fee: $65.00

CADD-219 ADVANCED COMPUTER AIDED DRAFTING 3D,MODELING
3 credit hours, 4 contact hours (3 Lecture/1 Lab Hours Per Week)
This is an advanced level course for students to learn 3D modeling using Inventor. Inventor software will be used throughout the course. Topics include: advanced terminoloyg, techniques, and applicaitons of computer generated design as it relates to engineering and product design. *3 credit hours/4 billed contact hours*
Requisite(s): Must complete CADD-217
Fee: $65.00

CADD-220 ARCHITECTURAL DRAWING
3 credit hours, 4 contact hours (3 Lecture/1 Lab Hours Per Week)
This is a beginning level course for students to learn AutoCAD saftware to construct a set of architectural drawings used in construction. A full set of architectural construction documents will be completed. Students will learn basic terminology, techniques, and applications of computer generated design as it relates to architectural design. *3 credit hours/4 billed contact hours*
Fee: $65.00

CADD-221 CADD 3D INDEPENDENT PROJECT
3 credit hours, 4 contact hours (3 Lecture/1 Lab Hours Per Week)
This is an advanced level course for students to learn more about architectural and engineering softwares. The 3D software will be used to construct a set of architectural drawings used in construction. A full set of architectural construction documents will be completed. Students will learn basic terminology, techniques,and applications of computer generated design as it relates to architectural design. *3 contact hours/4 billed credit hours*
Requisite(s): Must complete CADD-215

CADD-230 CADD CAPSTONE PROJECT
2 credit hours, 2 contact hours (2 Lecture Hours Per Week)
This is an advanced level course for students to create a final CAD project that will exemplify their knowledge of CAD. Students will select Inventor, Solidworks, or an architectural project to construct a list of required drawings. Students will learn advanced CAD terminology, techniques, and applications of computer generated design as it relates to one final CAD project.
Requisite(s): Must complete CADD-215, CADD-216, CADD-217, CADD-218 or CADD-219, CADD-220