

DRAFTING CERTIFICATE - MECHANICAL

The mechanical drafting certificate provides a basic understanding of print reading and the design process as well as an introduction to CAD using 2D AutoCAD. Graduates with a certificate will be able to begin employment as a drafting clerk or junior drafter. All the course work will apply to both the diploma and the associate of applied science.

All coursework in the Drafting Certificate- Mechanical program will apply as full credit towards the Drafting Associate of Applied Science Degree, the Associate of Arts Degree, or the Associate of Science Degree.

Required Program of Study for Certificate (17 weeks)

First Semester	
Course	Credits
ARCH 1160 Fundamentals of Drafting	3
ARCH 1270 Computer Assisted Drafting I	4
ARCH 2260 Introduction to Inventor	3
OFFT 1500 Microsoft Office	3
MATH 1020 Technical Mathematics I	3
	16
Total Credit Hours	16

DRAFTING DIPLOMA - MECHANICAL

The mechanical drafting diploma develops a basic understanding of the design drafting process, materials, and theory of the manufacturing processes used in industry. Graduates of the program are prepared for entry level employment in the mechanical drafting fields. Students will take the "CSWA" exam and become a Certified SolidWorks Associate upon completion of the Diploma.

All of the course work will apply to associate of applied science degree. All coursework in the Drafting Diploma – Mechanical program will apply as full credit towards the Drafting Associate of Applied Science Degree, the Associate of Arts Degree, or the Associate of Science Degree.

Required Program of Study for Diploma (34 weeks)

First Semester		Second Semester	
Course	Credits	Course	Credits
ARCH 1160 Fundamentals of Drafting	3	ARCH 1280 Introduction to SolidWorks	4
ARCH 1270 Computer Assisted Drafting I	4	ARCH 1285 Geometric Dimensioning and Tolerancing	2
ARCH 2260 Introduction to Inventor	3	ARCH 1295 Engineering Materials & Processes	2
OFFT 1500 Microsoft Office	3	BSAD 2050 Business Communications	3
MATH 1020 Technical Mathematics I	3	MATH 1060 Technical Mathematics II	3
	16		14
		Total Credit Hours	30