

DRAFTING TECHNOLOGY, CERTIFICATE OF ACHIEVEMENT

Course ID	Title	Units/ Hours
Required Core		
DRFT V05A/ ARCH V23	Introduction to AutoCAD	2
DRFT V42	Design Drafting and 3D Solid Modeling	3
DRFT V43	Introduction to Solidworks	3
DRFT V44	Rapid Design and Prototyping	3
Select one of the following:		2-3
DRFT V05B/ ARCH V24	Advanced Operations of AutoCAD	
DRFT V14A	Technical Illustration	
DRFT V51	Design Animation and Modeling	
Total Units		13-14

Recommended Courses

In addition to the required courses listed above, it is recommended that students who seek to obtain additional insight into the field of study consider taking on or more of the following courses: DRFT V02A Blueprint Reading: Manufacturing (Units: 3), DRFT V14B (Units:), DRFT V18 Drafting Projects (Units: 3), DRFT V41 Introduction to Industrial Design Graphics (Units: 3); MT V02 Applied Machining I (Units: 2), MT V35 Production Machining and Tooling Design Techniques (Units: 3); WEL V01 Introduction to Welding (Units: 2). Although these supplemental courses may be of value to the student, please note that they do **not** satisfy the requirements for this degree.

Upon successful completion of this program, students will be able to:

- Demonstrate an understanding of drawing methods and graphic composition techniques.
- Prepare technical drawings using computer-aided drafting (CAD) and design software.
- Analyze information to develop solutions to technical aspects of a design problem.