Jefferson College

PRECISION MACHINING TECHNOLOGY ACADEMIC GUIDE 2022-2023
Associate of Applied Science Degree Plan

The Academic Plan is a semester-by-semester plan for the full-time student. Part-time students should work with an advisor to customize the map to fit individual needs.

ACADEMIC PLAN			NOTES
Fall 1st Year		**Cr Hrs**	**Semester 1**
	COL101 Introduction to College	1	COL101 and Reading Proficiency are pre-reqs for some next semester course work
	PMT105 Introduction to Machining Procedures	3	PMT105 is a pre-req for some next semester course work
	PMT125 CNC Programming	3	PMT125 is a pre-req for some next semester course work
	CIS125 Computer Concepts and Applications	3	CIS125 or exam fulfills Computer Literacy graduation requirement
	MTH105 Industrial Math	3	MTH105 is a pre-req for some next semester course work
	MTT108 Industrial Blueprint Reading	3	
	Total Hours	**16**	
Spring 1st Year			**Semester 2**
	PMT150 Machining Procedures	3	PMT150 is a pre-req for some next semester course work
	PMT155 CNC Programming II	5	PMT155 is a pre-req for some next semester course work
	ENG101 English Composition I	3	
	MTH121 Technical Math I	3	
	MTT116 Dimensional Metrology	3	MTT116 is a pre-req for some next semester course work
	Total Hours	**17**	
Fall 2nd Year			**Semester 3**
	PMT205 Advanced Machining Procedures	3	
	PMT210 Quality Assurance	3	
	PMT225 Advanced CNC Programming	5	PMT225 is a pre-req for some next semester course work
	COM100 Fundamentals of Communication	3	
	HST103 United States History I	3	
	Total Hours	**17**	
Spring 2nd Year			**Semester 4**
	PMT		

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Program Description:

In this program, students will learn computer integration in industrial manufacturing, which is the key to providing high precision and intricate machined metal parts into the world's growing demand for extremely technical design. With the assistance of computer aided drafting and computer aided manufacturing (CAD/CAM), the gap between manufacturing and engineering tightens. The results of this integration are higher standards of precision and quality, along with programming, set-up, and machine cycle time reduction of CNC machining centers and turning centers.

Admission Requirements:

There are no specific admission requirements for this program. PMT coursework requires reading and a level of math proficiency. Certain general education coursework requires specific measures for placement. Consult an advisor for more information.

Department Faculty Advisors: Matt West

Associate Dean