Advanced Manufacturing, Certificate of Proficiency

Requirements

The Certificate of Proficiency in Advanced Manufacturing is designed to provide entry-level manufacturing technician skills that are needed in expanding the manufacturing industry in Utah Valley. Although the term "advanced" might be confusing for a program providing entry-level skills, nationally this is the term that is being used. The program focuses on the basic skills used in advanced manufacturing processes expanding across the nation. The components of the certificate will include basic manufacturing skills with hands-on activities on equipment used in local facilities. Graduates of this certificate will have a basic understanding of advanced manufacturing operations with an emphasis on solving problems in the organization. While this program offers an entry-level certification for individuals pursuing a career in manufacturing, it has been designed to enable individuals the opportunity to continually expand and upgrade their applied skills as well as to maintain a thorough mastery of evolving manufacturing technologies.

Total Program Credits: 18

Discipline Core Requirements:			18 Credits
	TECH 1050	Manufacturing Processes and Systems	3
	TECH 2050	Introduction to Quality Management	3
	TECH 2010	Supervision in Technology	3
	TECH 1000	Experiential Credit Portfolio Development and Assessment (2.0)	
or	TECH 281R	Internship in Technology	1
	IM 2010	Business Computer Proficiency	3
	STAT 1040	Introduction to Statistics	3
or	STAT 1045	Introduction to Statistics with Algebra (5.0)	
or	EGDT 1600	Technical Math--Algebra (3.0)	
	EGDT 1000	Introduction to Engineering Drawing and Technical Design	2
or	EGDT 1071	3 Dimensional Modeling--Solidworks (3.0)	

Graduation Requirements:

1. Completion of a minimum of 18 semester credits.
2. Minimum grade of C- required in all courses.
3. Overall grade point average of 2.0 (C) or above.
4. Residency hours: minimum of 5 credit hours through course attendance at UVU.

Advanced Manufacturing, Certificate of Proficiency *Graduation Plan*

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track.

Milestone courses (pre-requisites for a course in one of the subsequent semesters) are marked in red and italicized.

Semester 1	Course Title or Text	Credit Hours
TECH 1050	Manufacturing Processes and Systems	3
TECH 2050	Introduction to Quality Management	3
STAT 1040 or STAT 1045 or EGDT 1600	Introduction to Statistics or Introduction to Statistics with Algebra or Technical Math--Algebra	3
TECH 2010	Supervision in Technology	3
	Semester total:	12
Semester 2	Course Title or Text	Credit Hours
IM 2010	Business Computer Proficiency	3
EGDT 1000 or EGDT 1071	Introduction to Engineering Drawing and Technical Design or 3 Dimensional Modeling--Solidworks	2
TECH 281R or TECH 1000	Internship in Technology or Introduction to Engineering Drawing and Technical Design	1
	Semester total:	6
	Degree total:	18