

CNC TECHNOLOGY, BASIC CERTIFICATE



College(s): DA

Program Code: 0447

This is the second Basic Certificate that all Applied Engineering students will proceed through as they continue to build on their skills in Advanced Manufacturing. Students will learn the operation and programming basics of CNC equipment commonly used in manufacturing operations how to operate manual mills and lathes and other related CNC operator processes that manufacturing production operations need their team members to have.



Program Requirements

Code	Title	Hours
340MFGT 105	Introduction to Advanced Manufacturing I	3
340MFGT 106	Introduction to Advanced Manufacturing II	3
340MFGT 107	Introduction to Advanced Manufacturing III	3
340MFGT 108	Robotics I	3
340MFGT 109	Introduction to Manual Machining	3
340MFGT 110	CNC I Operations	3
340MFGT 153	Welding I GMAW	3
Total Hours		21

Pathway

This is an **example course sequence** for students interested in earning a Basic Certificate (BC) in Manufacturing Technology. It does not represent a contract, nor does it guarantee course availability.

Semester-by-Semester Program Plan for Full-Time Students

All plans can be modified to fit the needs of part-time students by adding more semesters.

Course	Title	Hours
Semester 1		
340MFGT 105	Introduction to Advanced Manufacturing I	3
340MFGT 106	Introduction to Advanced Manufacturing II	3
340MFGT 107	Introduction to Advanced Manufacturing III	3
340MFGT 108	Robotics I	3
340MFGT 110	CNC I Operations	3
Hours		15
Semester 2		
340MFGT 109	Introduction to Manual Machining	3
340MFGT 153	Welding I GMAW	3
Hours		6
Total Hours		21