

# College of the Canyons

## Program Outline Report

### Program Basics

Program Title:	Automated Machining Certificate of Specialization
Department:	Manufacturing Technology
Award Type:	Certificate of Specialization (Credit)
Program Description	This certificate provides students training in CAD/CAM using MASTERCAM and CNC Programming specifically used in the automotive, aerospace, and manufacturing industries. Upon completion of the certificate, students will be able to work in the automotive, aerospace, and manufacturing industries as a CAD/CAM design engineer, machinist, CNC operator, or CNC programmer.
Control Number:	99999
Credential ID:	8043
Transferability:	Not transferable
Program TOP Code (SP01) :	0956.00
Program TOP Code (SP01)	Manufacturing and Industrial Technology
Student Program Award (SP02) :	Certificate requiring 6 to fewer than 18 semester units (not approved by Chancellor's Office)
Maximum Credits:	12
Minimum Credits:	12
Curriculum Committee Approval Date:	02/12/2012
Board of Trustees Approval Date:	No value
External Review Approval Date:	No value

### Proposal Details

Proposal Start:	Fall 2017
Rationale for Non-Fall Start:	No value
Program Justification:	No value

### Submission Rationale

No value

## Program Requirements

### Automated Machining Certificate of Specialization (Total 12)

Complete the following number of credits: 12

Courses: (Total 0)

Complete the following number of credits: 0

MFGT121 - CNC 1: Operation/Manual Programming	3
MFGT132 - CAD/CAM II	3
MFGT131 - CAD/CAM I	3
MFGT122 - CNC 2: Concepts and Programming	3
MFGT121 - CNC 1: Operation/Manual Programming	3
MFGT122 - CNC 2: Concepts and Programming	3
MFGT131 - CAD/CAM I	3
MFGT132 - CAD/CAM II	3

## Recommended Sequences

No value

## Program Outcomes

### MFGT Certificate of Specialization

PSLO	Performance
Students will be able to accurately perform a variety of CAD/CAM and CNC application and calculations using appropriate equipment.	100

## Program Narrative

### Why is this new degree/certificate being proposed?

No Value