

College of the Canyons

Program Outline Report

Program Basics

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|-------------------------------------|---|
| 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