### Manufacturing Technology-CIM

**Associate of Applied Science Degree**

110-111 Credits

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**Dept./No.** | **Course Title** | **Credits**
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**Required Courses:**
# Cmst 100 or Cmst& 210 or Cmst& 220 & Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking & 5
D T 100 or D T 110 and D T 112 & Introduction to CADD/CAM or Introduction to AutoCAD and Introduction to CADKey & (7) (4) (4)
D T 101 or D T 101.1 and D T 101.2 & Technical Drafting or Drafting Fundamentals and Machine Drafting 1 & (7) (4) (3)
D T 115 & Geometric Dimensioning and Tolerancing & 4
D T 131 & Mechanical Drafting (CADD) & 7
D T 135 & 3-D CADD/CAM & 7
# D T 231 & Mechanical Design (CADD) & 7
# Engl 109 or Engl 128 & Writing for Trades and Professional/Technical Degrees or Research Writing: Science/Engineering/Business & (5)
I E 189 & Basic Metallurgy & 4
Mfg 101 or Mfg 102 or Mfg 105 & Introduction to Machining and Manufacturing or Conventional Milling and Turning or Intermediate CNC Machining & (13)
Mfg 106 or Mfg 177 & Special Machining Practices or Manufacturing Work Experience & (13)
# Math 116T or Math& 142 & Technical Math 2 or Precalculus II & (5)

**Area of Emphasis:**

**A. Machining Emphasis:** Select 13 credits from the following courses:
- Mfg 102: Conventional Milling and Turning
- Mfg 103: Conventional/CNC Machining Level 1

**B. Design Drafting Emphasis:** Select 13 credits from the following courses:
- D T 105: Design Drafting Careers
- D T 237: Advanced 3-D CADD/CAM
- Indus 102: Welding Survey 1
- Mfg 101: Introduction to Machining and Manufacturing
- Mfg 102: Conventional Milling and Turning

# Satisfies related instruction requirements.

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The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President of Human Resources, 12401 SE 320th Street, Auburn, WA 98092-3622, (253) 288-3320. To receive this information in an alternate format, please contact Disability Support Services at (253) 833-9111, ext. 2631; TTY (253) 288-3359.

The above program of study was current at the time of printing. The program may have been updated or changed to remain industry current. For program updates, please go to our web site at greenriver.edu or contact the faculty adviser listed.