

MANUFACTURING TECHNOLOGY, ASSOCIATE IN APPLIED SCIENCE



College(s): DA

Program Code: 0770

**As of Summer 2021, this program is not accepting new students. Please refer to CCC's other Manufacturing (https://catalog.ccc.edu/programs/#filter=filter_24) offerings.*

Program Requirements

| Code | Title | Hours |
|--|--------------------------------------|-----------|
| General Education | | |
| ENGLISH 101 | Composition | 3 |
| MATH 125 | Introductory Statistics | 4 |
| Fine Arts & Humanities | | 3 |
| Social and Behavioral Sciences | | 3 |
| Fine Arts & Humanities or Social and Behavioral Sciences | | 3 |
| Required Program Core | | |
| 340MFGT 138 | Intro to Solidworks | 3 |
| 340MFGT 139 | Print Requirements-Quality Assurance | 3 |
| 340MFGT 141 | Manufacturing Materials & Processes | 3 |
| 340MFGT 191 | Industrial Electricity | 4 |
| 340MFGT 292 | Principles of Mechanisms | 3 |
| Program Electives | | |
| Select 30 credit hours of program electives (p. 1) | | 30 |
| Total Hours | | 62 |

Program Electives

| Code | Title | Hours |
|-------------|---|-------|
| 340MFGT 104 | Statistical Process Control | 3 |
| 340MFGT 111 | Machining Processes I | 3 |
| 340MFGT 112 | Machining Processes II | 3 |
| 340MFGT 123 | CNC Milling Operations & Programming | 3 |
| 340MFGT 137 | CNC Turning Operations & Programming | 3 |
| 340MFGT 140 | CNC Fundamentals | 3 |
| 340MFGT 142 | Geometric Dimensioning and Tolerancing | 3 |
| 340MFGT 143 | Advanced Metrology | 3 |
| 340MFGT 144 | Wire Electrical Discharge Machining | 3 |
| 340MFGT 207 | Introduction to MASTERCAM | 3 |
| 340MFGT 145 | Computer Integrated Manufacturing (CIM) | 3 |
| 340MFGT 151 | Introduction to Welding | 3 |
| 340MFGT 152 | Intermediate Welding | 3 |
| 340MFGT 253 | Pneumatics | 3 |
| 340MFGT 255 | Industrial Hydraulics | 3 |
| 340MFGT 291 | Programmable Logic Controllers | 3 |
| 340MFGT 295 | Electrical Motor Controls | 3 |
| BUSINES 111 | Introduction To Business | 3 |
| BUSINES 181 | Financial Accounting | 4 |
| BUSINES 182 | Managerial Accounting | 4 |
| BUSINES 237 | Selling | 3 |
| BUSINES 269 | Principles Of Management | 3 |

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| BUSINES 274 | Industrial Management | 3 |
| INTDSP 102 | Career Development and Decision Making | 3 |

At least one course must meet the Human Diversity (HD) requirement.