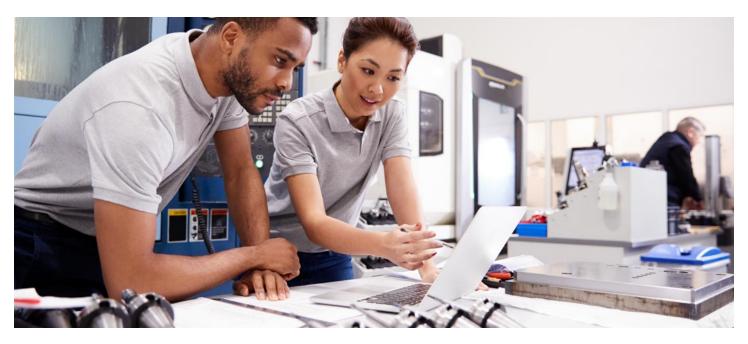# MANUFACTURING TECHNOLOGY, ASSOCIATE IN APPLIED SCIENCE

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

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

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