



Drafting Technology – Mechanical eMAP – Fall Semester Start

Start Here: Program of Study: Diploma or Degree

Fall Semester

- COMP 1000 – Introduction to Computers - 3 hrs.
- DFTG 1101 – CAD Fundamentals (Co-requisite of COMP 1000) – 4 hrs.
- DFTG 2110 – Print Reading 2 hrs.
- MATH 1012 – Foundations of Mathematics (for Diploma Students) OR
- MATH 1111 – College Algebra (for Degree Students) – 3 hrs.

Spring Semester

- DFTG 1103 – Multiview/ Basic Dimensioning (Pre-requisite of DFTG 1101) – 4 hrs.
- DFTG 1105 – 3D Mechanical Modeling (Co-requisite of DFTG 1103) – 4 hrs.
- CORE Area classes and electives as needed

Summer Semester

- DFTG 1015 – Practical Mathematics for Drafting Technology (for Diploma Students) (Pre-requisite of MATH 1012) – 3 hrs. (This is a Summer only class)

Receive a: Drafter's Assistant TCC

Fall Semester

- DFTG 1107 – Advanced Dimensioning/Sectional Views (Pre-requisite of DFTG 1105) – 4 hrs.
- DFTG 1109 – Auxiliary Views/Surface Development (Co-requisite of DFTG 1107) – 4 hrs.
- CORE Area class
- Elective class

Receive a: Drafting Aide TCC & CAD Operator TCC

Spring Semester

- DFTG 1111 – Fasteners (Pre-requisite of DFTG 1107) – 4 hrs.
- DFTG 1113 – Assembly Drawings (Co-requisite of DFTG 1111) – 4 hrs.

Petition for a Drafting Technology Diploma

- CORE Area class (for Degree Students)
- Elective class for Degree Students

Receive a: Advanced CAD Technician TCC

Summer or Fall Semester

- CORE Area class (for Degree Students)
- Elective class for Degree Students

Petition for a Drafting Technology Associates Degree

Approved Elective Courses

Chose 4 hrs. for Diploma, 12 hrs. for Degree Students

- DFTG 1125 Architectural Fundamentals (Pre-requisite of DFTG 1103) – 4 hrs.
- DFTG 1127 Advanced 3D Modeling (Pre-requisite of DFTG 1125) – 4 hrs.
- DFTG 2010 Engineering Graphics – 4 hrs.
- DFTG 2020 Visualization and Graphics – 3 hrs.
- DFTG 2040 Advanced 3D Modeling Mechanical (Pre-requisite of DFTG 1113) – 4 hrs.
- DFTG 2400 Practicum/Internship (Instructor Approval) – 4 hrs.
- ACCT 1120 Spreadsheet Applications – 3 hrs.
- ESCI 1020 Introduction to GIS – 3 hrs.
- MCHT 1011 Introduction to Machine Tool – 4 hrs.
- UAST 1100 Drone Applications – 3 hrs.
- CETC 1114 Intermediate CAD – Civil (Pre-requisite of DFTG 1103) – 4 hrs.

This eMAP along with meeting regularly with your program advisor and using DegreeWorks will help you stay on track to finish your program as quickly as possible and graduate from CTC.

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Revised 7/18/2024