

CAD TECHNOLOGY (CAD TEC)

CAD Technology (CAD TEC) 130

CAD Technology I

Application of pictorial techniques used in preparation of industrial illustrations; study of oblique, axonometric, perspective and exploded views; methods and techniques of shading, commercial media and reproduction processes. Writing assignments, as appropriate to the discipline, are part of the course.

Grade of C or better in ENGR 100 or Consent of Department Chairperson.

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

Offered At: TR

CAD Technology (CAD TEC) 170

CAD Technology II

Introduction to programming techniques using computer-aided design (CAD) systems; use of basic command structures, keyboard and menu tablets; text dimensioning and pen and layer selection. Writing assignments, as appropriate to the discipline, are part of the course.

Grade of C or better in ENGR 100, or ENGR 110, or Consent of Department Chairperson.

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

Offered At: TR

Repeatable: Yes, up to 1 times

CAD Technology (CAD TEC) 171

CAD Technology III

Intermediate programming techniques using computer-aided design (CAD) systems; techniques of file handling, archiving and plotting; drawing manipulations of translation and rotation to prepare for CAD system operation. Writing assignments, as appropriate to the discipline, are part of the course.

Grade of C or better in ARCHITC 170, or CAD TEC 170, or Consent of Department Chairperson.

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

Offered At: TR

CAD Technology (CAD TEC) 172

CAD Technology IV

Advanced planning concepts and designs using computer-aided design systems; techniques of file handling, archiving, and plotting; drawing manipulations of translation and rotation to prepare for CAD system operation. Writing assignments, as appropriate to the discipline, are part of the course.

Grade of C or better in CAD TEC 171, or Consent of Department Chairperson.

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

Offered At: TR