DRAFTING and DESIGN TECHNOLOGY, ASSOCIATE OF APPLIED SCIENCE (AAS)

The Drafting and Design Technology degree is a 60-credit hour program that prepares students for a successful career as a professional drafter who will be equipped with the advanced skills necessary to quickly advance to the level of senior technical designer. In addition to basic and advanced CADD skills, students are trained in 3D CADD applications and professional-level advanced programs such as Revit, Inventor, and the highly sought-after Plant 3D. Students also learn valuable general industry skills such as industrial safety and statistical quality control. Certificates and Diplomas are also available as the student progresses through the program. All courses applied to the degree must be passed with a "C" or better. Developmental courses will not be applied to the degree.

FIRST SEMESTER

COURSE	**CREDIT HOURS**
DRFT 1000, Fundamentals of Drafting & Design	4
CADD 1100, Introduction to Computer Aided Drafting & Design	5
CSCI 1010, Introduction to Computer Technology	3
General Education, English Composition: ENGL 1010, English Composition I	3
SEMESTER CREDIT HOURS	**15**

SECOND SEMESTER

COURSE	**CREDIT HOURS**
CADD 1200, Advanced Computer Aided Drafting & Design	5
PRNT 1000, Print Reading for Industry	3
General Education Humanities: choose any HIST, PHIL, or RELS	3
General Education, Mathematics/Analytical Reasoning: choose one of the following – MATH 1100, College Algebra MATH 1203, Applied Algebra MATH 1500, Finite Mathematics	3
SEMESTER CREDIT HOURS	**14**

THIRD SEMESTER

COURSE	**CREDIT HOURS**
DRFT 1300, Introduction to Drafting Disciplines I	4
CADD 1300, 3-D CADD Concepts	5
PTEC 1630, Plant Equipment	2
PTEC 1631, Plant Equipment Lab	2
General Education, Natural Science: PHSC 1010, Physical Science I	3
SEMESTER CREDIT HOURS	**16**

FOURTH SEMESTER

COURSE	**CREDIT HOURS**
DRFT 1500, Advanced Drafting & Discipline	4
CADD 1700, Plant 3D and BIM	5
Elective: choose one of the following – PTEC 2030, Plant Health, Safety, and Environment PTEC 2070, Statistical Quality Control DRFT 2912, Drafting Internship	3

General Education, Social Science: choose one of the following – ECON 2010, Macroeconomics ECON 2020, Microeconomics SOCL 2000, Introduction to Sociology PSCY 2010, Introduction to Psychology, or GEOG 2010, Physical Geography	3
SEMESTER CREDIT HOURS	**15**
Total Credit Hours, Drafting and Design Technology AAS	**60**

Additional Academic Awards in Drafting and Design Technology

Drafting Fundamentals, Career and Technical Certificate (CTC)

COURSE	**CREDIT HOURS**
DRFT 1000, Fundamentals of Drafting & Design	4
CADD 1100, Introduction to Computer Aided Drafting & Design	5
Total Credit Hours	**9**

Students completing the Drafting Fundamentals CTC are prepared to take the AutoCAD Autodesk Certified User Exam and earn this industry-based certification (IBC).

Engineering Aide, Certificate of Technical Studies (CTS)

COURSE	**CREDIT HOURS**
DRFT 1000, Fundamentals of Drafting & Design	4
CADD 1100, Introduction to Computer Aided Drafting & Design	5
CSCI 1010, Introduction to Computer Technology	3
CADD 1200, Advanced Computer Aided Drafting & Design	5
PRNT 1000, Print Reading for Industry	3
Total Credit Hours	**20**

Drafting and Design Technician, Technical Diploma (TD)

COURSE	**CREDIT HOURS**
DRFT 1000, Fundamentals of Drafting & Design	4
CADD 1100, Introduction to Computer Aided Drafting & Design	5
CSCI 1010, Introduction to Computer Technology	3
CADD 1200, Advanced Computer Aided Drafting & Design	5
PRNT 1000, Print Reading for Industry	3
DRFT 1300, Introduction to Drafting Disciplines I	4
CADD 1300, 3-D CADD Concepts	5
PTEC 1630, Plant Equipment	2
PTEC 1631, Plant Equipment Lab	2
DRFT 1500, Advanced Drafting & Discipline	4
CADD 1700, Plant 3D and BIM	5
Elective: choose one of the following – PTEC 2030, Plant Health, Safety, and Environment PTEC 2070, Statistical Quality Control	3

DRFT 2912, Drafting Internship

Total Credit Hours	**45**