

Technical Studies (Associate of Applied Science), Drafting and Design Technology Concentration

The Drafting and Design Technology concentration in the Technical Studies Associate of Applied Science is designed to give the student essential knowledge and skills required for efficient and productive performance in the drafting field while facilitating the competitiveness of graduates for entry-level technical and supervisory positions. Students earn the Technical Studies degree, with a concentration in Drafting and Design Technology, upon satisfactory completion of the technical and General Education courses. Technical credentials (technical diploma, certificate of technical studies, technical competency area) are also offered for those seeking varying amounts of technical expertise in drafting. For all students completing a credential in this program, Baton Rouge Community College assists in placing students in gainful employment.

To receive any credential in this program, the student must:

- Complete the program of study below.
- Earn a “C” or better in all courses that are to be used toward the credential.

Program Outcomes. Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the essential knowledge and skills required for efficient and productive performance in the drafting field.
2. Demonstrate the fundamental manual drafting skills with introductory training in several drafting disciplines and fundamentals in Computer Aided Drafting.
3. Demonstrate the skills for one or more areas of specialization which includes intensive applications of Computer Aided Drafting in the selected discipline.
4. Demonstrate safe and efficient work practices, basic occupational skills, employability skills, and strong work ethics.

PROGRAM OF STUDY

First Semester	Credit Hours
DRFT 1110 Drafting Fundamentals	3
DRFT 1130 Pictorial Drawing	3
DRFT 1145 Multi-View and Section Drawing	3
CADD 1210 Basic CADD	3
GenEd MATH Any Department-approved General Education Course in Mathematics	3
Total Credit Hours for Semester	15

Second Semester	Credit Hours
DRFT 1120 Geometric Construction	2
DRFT 1160 Drafting Computations	3
DRFT 1161 Dimensioning	2
DRFT 1215 Auxiliary Views & Intersections	3
DRFT 1230 Fasteners	2
CADD 1215 Advanced CADD	3
Total Credit Hours for Semester	15

Third Semester	Credit Hours
DRFT 2310 Basic Manufacturing/Electrical	3

DRFT 2320	Basic Architectural/Civil/Structural	3
DRFT 2330	Basic Piping/Marine	3
ENGL 1013	English Composition I	3
GenEd	Any General Education course in the Social Sciences	3
Total Credit Hours for Semester		15

Fourth Semester		Credit Hours
Choose <i>one</i> of the following advanced disciplines:		
DRFT 2341	Advanced Manufacturing Drafting	6
DRFT 2342	Advanced Civil Drafting	
DRFT 2343	Advanced Architectural Drafting	
DRFT 2346	Advanced Piping Drafting	
DRFT 2510	Portfolio Presentation	3
GenEd	Any SACSCOC-accepted General Education course in Humanities	3
GenEd	Any General Education Course in the Physical Sciences	3
Total Credit Hours for Semester		15

**Total Program Credit Hours, Technical Studies AAS,
Drafting and Design Technology Concentration 60**

Drafting and Design Technology Credentials Available

		Credit Hours
DRFT 1110	Drafting Fundamentals	3
DRFT 1130	Pictorial Drawing	3
DRFT 1145	Multi-View and Section Drawing	3
CADD 1210	Basic CADD	3
DRFT 1120	Geometric Construction	2
DRFT 1160	Drafting Computations	3
DRFT 1161	Dimensioning	2
DRFT 1215	Auxiliary Views & Intersections	3
DRFT 1230	Fasteners	2
CADD 1215	Advanced CADD	3
Exit Point CTS: Engineering Aide		27

		Credit Hours
DRFT 2310	Basic Manufacturing/Electrical	3
DRFT 2320	Basic Architectural/Civil/Structural	3
DRFT 2330	Basic Piping/Marine	3
Choose <i>one</i> of the following advanced disciplines:		
DRFT 2341	Advanced Manufacturing Drafting	6
DRFT 2342	Advanced Civil Drafting	
DRFT 2343	Advanced Architectural Drafting	
DRFT 2346	Advanced Piping Drafting	
DRFT 2510	Portfolio Presentation	3
TD: Drafting and Design Technician (DRFT and CADD courses):		45

For more information, contact the Division of Technical Education at (225) 216-8440.