

Drafting Technology–CADD

Associate of Applied Science in Computer Aided Drafting and Design Engineering Technology–DT2

The Drafting Technology Program provides training experience in computer-aided drafting. The Associate of Applied Science Degree prepares students for entrance into the drafting profession confident of having received a strong foundation in drafting disciplines and skills.

Note: Students should review the catalog course descriptions to determine specific course prerequisites. Some drafting electives may have another drafting elective as a prerequisite. Students planning to transfer should see a counselor or a faculty advisor for transferable course substitutions.

| | | | |
|---|------------------|--|--------------|
| FIRST SEMESTER | | | SCH |
| —♦DFTG | 1405 | Technical Drafting | 4 |
| —♦DFTG | 1409 | Basic Computer-Aided Drafting | 4 |
| — | TECM 1349 | Technical Math Applications | 3 |
| — | ---- | Elective Outside Major* | 3/4 |
| — | POFT 1132 | Workplace Diversity | |
| | | or | |
| — | ENTC 1191 | Special Topics in Engineering Technology | 1 |
| | | | 15/16 |
| SECOND SEMESTER | | | |
| — | ---- | Drafting Elective** | 4 |
| — | DFTG 2419 | Intermediate Computer-Aided Drafting | 4 |
| — | ---- | Social/Behavioral Science | 3 |
| — | ENGL 1301 | English Composition I | 3 |
| — | ---- | Humanities/Fine Arts | 3 |
| | | | 17 |
| THIRD SEMESTER | | | |
| — | DFTG 2432 | Advanced CAD | 4 |
| — | ---- | Drafting Elective** | 4 |
| — | POFT 2312 | Business Correspondence & Communications | 3 |
| — | ---- | Drafting Elective** | 4 |
| — | ---- | Drafting Elective** | 4 |
| | | | 19 |
| FOURTH SEMESTER | | | |
| — | ---- | Drafting Elective** | 4 |
| —●DFTG | 2438 | Final Project: Advanced Drafting | |
| | | or | |
| —●DFTG | 2486 | Internship - Drafting & Design Technician, General | 4 |
| — | ---- | Natural Science | 4 |
| — | ---- | Oral Communications | 3 |
| — | ---- | Drafting Elective** | 4 |
| | | | 19 |
| Total Semester Credit Hours for Degree | | | 70/71 |

* Suggested Electives Outside Major ITSC 1309, ARCE 1413, 1422, CETT 1302, ENGL 2307, MCHN 1452, PFPB 1305, 1408, CNBT 1311, GISC 1311 or PTAC 1410.

**DFTG Electives should be chosen from DFTG 1413, 1417, 1433, 1458, 2400, 2407, 2408, 2412, 2423, 2427, 2428, 2430, 2431, 2435, 2442, 2445, 2467, ARCE 1452, 2444, CNBT 1442.

Students should plan to take the capstone course in their last semester and should speak to their advisor prior to registering for the final semester.

The following two certificate exit points allow students to seek employment after a concentrated drafting program. (First semester courses may not be substituted in the Computer-Aided Drafting and Design).

Certificate of Completion in Computer Aided Drafting and Design–TP1

| | | | |
|--|-----------|--------------------------------------|-----------|
| FIRST SEMESTER | | | SCH |
| —♦DFTG | 1405 | Technical Drafting | 4 |
| —♦DFTG | 1409 | Basic Computer-Aided Drafting | 4 |
| | | | 8 |
| SECOND SEMESTER | | | |
| — | DFTG ---- | Elective* | 4 |
| —●DFTG | 2419 | Intermediate Computer-Aided Drafting | 4 |
| | | | 8 |
| Total Semester Credit Hours for Certificate | | | 16 |

* DFTG Electives should be chosen from DFTG 1413, 1417, 1433, 2407, 2408.

Certificate of Completion in Computer Aided Drafting and Design – Advanced Technology–DS1

Students should review the catalog course description to determine specific course prerequisites. Some drafting electives may have another drafting elective as a prerequisite. Students planning to transfer should see a counselor or a faculty advisor for a transferable course substitution.

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|--|-----------|---|-----------|
| FIRST SEMESTER | | | SCH |
| —♦DFTG | 1405 | Technical Drafting | 4 |
| —♦DFTG | 1409 | Basic Computer-Aided Drafting | 4 |
| | | | 8 |
| SECOND SEMESTER | | | |
| — | ---- | Elective* | 4 |
| — | DFTG 2419 | Intermediate Computer-Aided Drafting | 4 |
| | | | 8 |
| THIRD SEMESTER | | | |
| — | DFTG 2432 | Advanced CAD | 4 |
| — | ---- | Elective* | 4 |
| | | | 8 |
| FOURTH SEMESTER | | | |
| — | ---- | Elective* | 4 |
| —●DFTG | 2486 | Internship - Drafting & Design Technology/Technician, General | |
| | | or | |
| —●DFTG | 2438 | Final Project Advanced Drafting | 4 |
| | | | 8 |
| Total Semester Credit Hours for Certificate | | | 32 |

* DFTG Electives should be chosen from DFTG 1413, 1417, 1433, 2400, 2407, 2408, 2412, 2427, 2428, 2430, 2431, 2435, 2440, 2442, 2445, 2467, ARCE 1452, 2444, CNBT 1442.

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. Core and Field of Study courses are shown in bold and underline type.

♦ Students completing a high school Tech Prep Program may receive credit for indicated courses.