Computer Aided Design Technology

A.A.S Degree in STEM Technology

Frederick Community College Pathway

Catalog Year 2019-2020

Frederick Community College

Guided Pathway to Success (GPS) Suggested schedules map your path to degree completion.

Full-time student: Follow the green semester blocks in order.

Part-time student: Follow the blue course sequence at your own pace.

Students should meet with an advisor each semester to carefully select and sequence courses based on their specific academic goals and interests. Visit Jefferson Hall or call 301.846.2471 for advising.

Students who take fewer than 15 credits each semester or who require developmental English or math coursework will need additional semesters to complete their degrees. Summer and January term classes may help students to make faster progress.

General Education CORE courses can often be taken in any semester. One course must be designated as a Cultural Competence course. Refer to the college catalog for course details and the list of General Education and Cultural Competence classes. http://www.frederick.edu/classschedules.aspx#catalog



Take this course within the first 24 credits.



Milestone course – take within recommend credit range to stay on track for completion.



This course is offered in the fall semester only.



This course is offered in the spring semester only.

| 1 | Recommend | ed First Semester (1-15 credits) | | |
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| 1 | Gen Ed CORE | ENGL 101 English Composition | 3 credits | |
| 2 | Gen Ed CORE | Mathematics Gen Ed (Gen Ed Course List) or (recommended MATH145 or MATH165) | 3 credits | |
| 3 | Concentration | CADT 101 Introduction to AutoCAD I | 3 credits | |
| 4 | Concentration | CADT 102 Introduction to Auto CADII | 3 credits | |
| 5 | Electives | Any BLDT, CADT, CMIS, CMTE, MATH, GISA, SPAN or ENGR Course | 3 credits | |
| 2 | 2 Recommended Second Semester (16-31 credits) | | | |
| 6 | Gen Ed CORE | Social & Behavioral Sciences (recommended HUMS102 Human Relations; satisfies cultural competency requirement) | 3 credits | |
| 7 | Gen ED CORE | Communications (Gen Ed Course List) or (COMM107 recommended) | 3 credits | |
| 8 | Concentration | CADT 130 Introduction to Revit | 3 credits | |
| 9 | Concentration | CADT 150 Introduction to Architectural Drawing and Design | 3 credits | |
| 10 NU | , , | Physical Education, Health, or Nutrition Requirement | 1 credit | |
| 3 Recommended Third Semester (32-46 credits) | | | | |
| 11 | Gen Ed CORE | Biological & Physical Sciences (Gen Ed Course List) or (recommended PHSC101 or PHYS101 or PHSC121) | 3 credits | |
| 12 | Concentration | CADT 210 Residential Architecture I | 4 credits | |
| 13 | Concentration | CADT 245 Civil Drafting with CAD | 3 credits | |
| 14 | Electives | Any BLDT, CADT, CMIS, CMTE, MATH, GISA, SPAN or ENGR Course | 6 credits | |
| Recommended Fourth Semester (46-60 credits) | | | | |
| 15 | Gen Ed CORE | Humanities: (Gen Ed Course List) or (PHIL208 recommended) | 3 credits | |
| 16 | Gen ED CORE | ARTS (Gen Ed Course List) | 3 credits | |
| 17 | Electives | Any BLDT, CADT, CMIS, CMTE, MATH, GISA, SPAN or ENGR Course or Internship | 10 credits | |
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