

453: Computerized Drafting & Design A A S Degree Requirements Table

FALL 2026 to CURRENT

ITEM	REQUIREMENT	CREDITS	SEMESTER
1 – KNOWLEDGE & SKILL AREA	MET BY	24	As Listed
1.01 - COMMUNICATION W1	ENG 101 College Composition	3	1
1.02 - COMMUNICATION ORAL	Select one SUNY approved Oral Communication course	3	2
1.03 - MATHEMATICS	Select one SUNY approved Mathematics course	3	1
1.04 - NATURAL SCIENCE	Select one SUNY approved Natural Science course	3	3
1.05 - SOCIAL SCIENCE	PSY 104 Intro to Psychology	3	4
1.06 - HISTORY, ENGAGEMENT, AWARENESS	Select one SUNY approved History, Engagement, Awareness course	3	4
1.07 - HUMANITIES, ARTS, LANG	Select one SUNY approved Humanities, Arts, Language course	3	4
1.08 – DIVERSITY – (DEISJ)	Met by Social Science requirement	0	N/A
1.09 - HEALTH/PE/ATH	Select 3 credits from any HED, PED, or ATH option	3	2
2 - PROGRAM REQUIREMENT	MET BY	36	As Listed
2.01 - Program Requirement	EGR 101 Engineering Drawing 1 (Fall Only)	3	1
2.02 - Program Requirement	EGR 108 Manufacturing Processes (Fall Only)	3	1
2.03 - Program Requirement	EGR 118 Computer Assisted Drafting1 (Fall Only)	3	1
2.04 - Program Requirement	EGR 103 Architectural Drawing (Spring Only)	3	2
2.05 - Program Requirement	EGR 119 Computer Assisted Drafting 2 (Spring Only)	3	2
2.06 - Program Requirement	BUS 101 Principles of Business	3	2
2.07 - Program Requirement	EGR 105 Engineering Design Graphics 1 (Fall Only)	3	3
2.08 - Program Requirement	EGR 220 3-D Solids and Modeling (Fall Only)	3	3
2.09 - Program Requirement	COE 214 Cooperative or Internship Experiences or BUS 217 Cooperative Education	3	3

2.10 - Restricted Elective	Select one from ART 209, ENG 107, CIS (except 102), CSN, or MAT (except 116 or 117)	3	3
2.11 - Program Requirement	EGR 117 Engineering Blueprint Reading (Spring Only)	3	4
2.12 - Program Requirement	EGR 215 Commercial Building with REVIT (Spring Only)	3	4
3 - SEMESTER	TOTAL CREDITS REQUIRED FOR DEGREE	60	Upon Completion
3.1 - Semester 1	Semester 1 Total Credits	15	1
3.2 - Semester 2	Semester 2 Total Credits	15	2
3.3 - Semester 3	Semester 3 Total Credits	15	3
3.4 - Semester 4	Semester 4 Total Credits	15	4
4 - INFORMATIONAL NOTES	GENERAL CURRICULUM INFORMATION	0	As Appropriate
4.01 - Infused Competencies	Information Literacy: ENG 101 Critical Thinking: PSY 104 Technological Competency: EGR 118 Values & Ethics: PSY 104 Civic Discourse: SPE 102, 108, 109, or HUS 102	0	Upon Completion
4.02 - Proficiency Requirements	As outlined in Procedure 321- Placement and Proficiency Requirements (click to see GCC Placement and Proficiency Guide for details), all students are required to demonstrate proficiency in reading, math, and writing skills prior to earning a college degree or certificate from Genesee Community College.	0	Prior to Completion
4.03 - GPA Requirement	GPA of 2.0 Required for graduation	0	Upon Completion