

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

FALL 2024 to CURRENT

ITEM	REQUIREMENT	CREDITS	SEMESTER
<b>1 – KNOWLEDGE &amp; SKILL AREA</b>	<b>MET BY</b>	<b>24</b>	<b>As Listed</b>
1.01 - COMMUNICATION W1	ENG 101 College Composition	3	1
1.02 - COMMUNICATION ORAL	<a href="#">Select one SUNY approved Oral Communication course</a>	3	2
1.03 - MATHEMATICS	<a href="#">Select one SUNY approved Mathematics course</a>	3	1
1.04 - NATURAL SCIENCE	<a href="#">Select one SUNY approved Natural Science course</a>	3	3
1.05 - SOCIAL SCIENCE	PSY 104 Intro to Psychology	3	4
1.06 - HISTORY, ENGAGEMENT, AWARENESS	<a href="#">Select one SUNY approved History, Engagement, Awareness course</a>	3	4
1.07 - HUMANITIES, ARTS, LANG	<a href="#">Select one SUNY approved Humanities, Arts, Language course</a>	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
<b>2 - PROGRAM REQUIREMENT</b>	<b>MET BY</b>	<b>36</b>	<b>As Listed</b>
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
<b>3 - SEMESTER</b>	<b>TOTAL CREDITS REQUIRED FOR DEGREE</b>	<b>60</b>	<b>Upon Completion</b>
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
<b>4 - INFORMATIONAL NOTES</b>	<b>GENERAL CURRICULUM INFORMATION</b>	<b>0</b>	<b>As Appropriate</b>
<b>4.01 - Infused Competencies</b>	Information Literacy: ENG 101 Critical Thinking: PSY 104 Technological Competency: EGR 118 Values & Ethics: PSY 104	0	Upon Completion
<b>4.02 - Proficiency Requirements</b>	As outlined in Procedure 321- Placement and Proficiency Requirements (click to see <a href="#">GCC Placement and Proficiency Guide</a> 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
<b>4.03 - GPA Requirement</b>	<b>GPA of 2.0 Required for graduation</b>	0	Upon Completion