

**2020-2021**

## Engineering and Design Technology

Associate of Applied Science

**Irina Galassini**

Faculty Advisor/Program Director

Student Name

Academic Advisor

**575.624.7335**

Telephone Number

Student ID Number

Date

**Advisor's Notes/Recommendations:**

- The A.A.S. Degree in Engineering and Design Technology transfers into a Bachelor of Applied Arts and Science (BAAS) Degree program at ENMU.
- In order to improve student success probability and reduce unnecessary attrition, all students must take the University Skills Placement Test prior to entering the program.
- All lectures and corresponding labs must be taken simultaneously.
- Student must have an **ENMU Campus System** cumulative grade point average of 2.0 in order to meet graduation requirements.
- Submit a Graduation Application before the close of the semester preceding the expected completion date.

	Grade	Sem.		Grade	Sem.		Grade	Sem.
Writeplacer			ENGL 096			ENGL 098L		
Math	--	--	MATH 094/095			MATH 097/098		

Note \* Prerequisite/s required: See list below

Fall Semester			Credit Hours	Grade	Semester
ENGR	101	Introduction to Engineering	3 hrs.		
ENGR	111	Technical Drawing	3 hrs.		
ENGR	135	Introduction to GIS	3 hrs.		
ENGR	211	Introduction to CAD-Mechanical	3 hrs.		
ENTR	1110	Entrepreneurship	3 hrs.		
PSYC	1110	Introduction to Psychology	3 hrs.		
<b>OR</b>					
SOCI	1110	Introduction to Sociology	3 hrs.		
			<b>18 hrs.</b>		

Spring Semester			Credit Hours	Grade	Semester
BCIS	1115	Introduction to Computers	3 hrs.		
*MATH	1130	Survey of Mathematics	3 hrs.		
<b>OR</b>					
*MATH	1170	Technical Mathematics	3 hrs.		
ENGR	140	Introduction to Python in GIS Modeling	3 hrs.		
*ENGR	212	Residential Architectural CAD	3 hrs.		
ENGR	213	Civil/Survey CAD	3 hrs.		
			<b>15 hrs.</b>		

Fall Semester			Credit Hours	Grade	Semester
*ENGL	2210	Professional & Technical Communication	3 hrs.		
		**Humanities/Creative and Fine Arts (V or VI)	3 hrs.		
*ENGR	222	Plane Surveying	3 hrs.		
*ENGR	240	Commercial Architectural CAD	3 hrs.		
			<b>12 hrs.</b>		

Spring Semester			Credit Hours	Grade	Semester
ENGR	285	Precise Digital Mapping	3 hrs.		
ENGR	292	Public Land Survey System Boundary	3 hrs.		
*ENGR	230	3-D Parametric CAD	3 hrs.		
ENGR	235	Advanced GIS	3 hrs.		
ENGR	294	Engineering and Design Internship	3 hrs.		
			<b>15 hrs.</b>		

<b>TOTAL HOURS REQUIRED FOR DEGREE</b>			<b>60 hrs.</b>		
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**\*Prerequisites:**

MATH	1130	Survey of Mathematics <i>Prerequisite: Satisfactory ACT scores or MATH 097/098 with a "C" or better</i>
MATH	1170	Technical Mathematics <i>Prerequisite: Satisfactory ACT scores or MATH 097/098 with a "C" or better</i>
ENGR	212	Residential Architectural CAD <i>Prerequisite: ENGR 211</i>
ENGL	2210	Professional & Technical Communication <i>Prerequisite: Satisfactory ACT scores or Placement Exam scores or ENG 096</i>
ENGR	222	Plane Surveying <i>Prerequisite: MATH 1170 or higher</i>
ENGR	240	Commercial Architectural CAD <i>Prerequisite: ENGR 211</i>
ENGR	230	3-D Parametric CAD <i>Prerequisite: ENGR 211 or equivalent work experience</i>

**\*\*ENMU-Roswell General Education**

- I. Communication
- II. Mathematics
- III. Laboratory Science
- IV. Social and Behavioral Sciences
- V. Humanities
- VI. Fine and Creative Arts