

CIVIL ENGINEERING TECHNOLOGY (RENEWABLE ENERGY TECHNOLOGIES) - BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY

Students must complete all university degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 123 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
General Education		
<i>Area I: Communications</i>		
<i>English Composition - Level 1</i>		
ENGL 1110G	Composition I	4
<i>English Composition - Level 2</i>		
ENGL 2210G	Professional and Technical Communication Honors	3
<i>Oral Communication</i>		
COMM 1115G	Introduction to Communication	3
<i>Area II: Mathematics</i>		
MATH 1511G or MATH 1435	Calculus and Analytic Geometry I ¹ Applications of Calculus I	3-4
<i>Area III: Laboratory Sciences</i>		
CHEM 1120G	Introduction to Chemistry Lecture and Laboratory (non majors)	8
Choose one sequence from the following for four credits:		
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	
<i>Area IV: Social/Behavioral Sciences</i> ²		
<i>Area V: Humanities</i> ²		
<i>Area VI: Creative and Fine Arts</i> ²		
<i>General Education Elective</i>		
MATH 1521G or MATH 1440	Calculus and Analytic Geometry II ¹ Applications of Calculus II	3-4
Viewing A Wider World ³		
6		
Departmental/College Requirements		
ET 101	Introduction to Engineering Technology and Geomatics	1
ET 109	Computer Drafting Fundamentals	3
ET 143	Civil Drafting Fundamentals	3
ET 154	Construction Methods and Communications	3
ET 254	Concrete Technology	3
ET 308	Fluid Technology	3
ET 308 L	Fluid Technology Lab	1
ET 310	Applied Strength of Materials	3
ET 310 L	Applied Strength of Materials Lab	1
ET 332	Applied Design of Structures I	4

ET 354	Soil and Foundation Technology	4
ET 355	Site/Land Development and Layout	3
ET 410	Senior Seminar	1
ET 412	Highway Technology	3
ET 418	Applied Hydraulics	3
ET 421	Senior Project	3
ET 432	Applied Design of Structures II	4
ET 459	Construction Technology and Management	3
SUR 222	Introduction to Geomatics	3
or DRFT 222	Introduction to Geomatics	
ENGR 120	DC Circuit Analysis	4
ENGR 190	Introduction to Engineering Mathematics	4
ENGR 233	Engineering Mechanics I	3
ENGR 234	Engineering Mechanics II	3
I E 451	Engineering Economy	3
A ST 311	Statistical Applications	3
<i>Concentration Coursework</i>		
ET 381	Renewable Energy Technologies	3
ET 382	Solar Energy Technologies	3
or ET 384	Wind and Water Energy Technologies	
ET 386	Sustainable Construction and Green Building Design	3
SUR 328	Construction Surveying & Automation Technologies	3
Second Language: (not required)		
Electives, to bring the total credits to 120		
0		
Total Credits		123-125

¹ For students wishing to pursue a technical master's degree, MATH 1511G Calculus and Analytic Geometry I and MATH 1521G Calculus and Analytic Geometry II are recommended and will satisfy both the Area II and General Education Elective requirements.

Students who take MATH 1435 Applications of Calculus I and MATH 1440 Applications of Calculus II, will need to have an exception made for their degree audit.

**for either Mathematics course selection students may need to take any prerequisites needed to enter the class(es) first.*

² See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses

³ See the Viewing a Wider World (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses