

Electrical and Computer Engineering  
www.ece.nmsu.edu

Department Head:  
Dr. Steve Horan  
T&B 106  
646-3117  
[sthoran@nmsu.edu](mailto:sthoran@nmsu.edu)

Freshman advisor:  
Dr. Sheila Horan  
T&B 107  
646-6288  
[sheila@nmsu.edu](mailto:sheila@nmsu.edu)

ACT scores	Recommended # of credits
<21	12 - 14
21, 22	15 - 16
>22	15 - 18

For freshmen, based on your MPE and ACT scores and any previous credit (including AP scores), figure out what math you'll be in. Once you know the math you need to take, check the list below to see what classes are recommended for you.

Freshmen who are eligible to take Calculus I would follow this typical schedule:  
First Semester (16 credits)

Course	Description	Credit	Notes
CHEM 111	Chemistry I	4	Requires high school chemistry
EE 161	Computer-Aided Problem Solving	4	Requires Pre-Calculus or higher
ENGL 111G	Freshman Composition	4	Contingent on <a href="#">English Placement</a>
MATH 191	Calculus I	4	Contingent on <a href="#">Math Placement</a>

Freshmen who start the math sequence with Pre-Calculus would follow the schedule below:  
First Semester (16 credits)

Course	Description	Credit	Notes
CHEM 111	Chemistry I	4	Requires high school chemistry
ENGL 111G	Freshman Composition	4	Contingent on <a href="#">English Placement</a>
MATH 190	Trig and Pre-Calculus	4	Contingent on <a href="#">Math Placement</a>
EE 161	Computer-Aided Problem Solving	4	Requires Pre-Calculus or higher

Freshmen who start the math sequence with College Algebra are not eligible to begin their Electrical Engineering studies. The following schedule is typical First Semester (14 credits)

Course	Description	Credit	Notes
ENGL 111G	Freshman Composition	4	Contingent on <a href="#">English Placement</a>
MATH 121	College Algebra	3	Contingent on <a href="#">Math Placement</a>
MATH 102	General Suppl Instruction II	1	
SMET 101	Intro to Science, Math, Eng & Tech	3	
EE 109	Engineering of How things work	3	

Freshmen who start the math sequence with Intermediate Algebra are not eligible to begin their Electrical Engineering studies. The following schedule is typical:  
First Semester (14 credits)

Course	Description	Credit	Notes
ENGL 111G	Freshman Composition	4	Contingent on English Placement
Math 120	Intermediate Algebra	3	Contingent on Math Placement
Math 101	General Suppl. Instruction I	1	
SMET 101	Intro. to science, math, eng, & tech.	3	
EE 109	Engineering of how things work	3	

Freshmen who start the math sequence with Algebra Skills are not eligible to begin their Electrical Engineering studies. The following schedule is typical:  
First Semester (14 credits)

Course	Description	Credit	Notes
ENGL 111G	Freshman Composition	4	Contingent on <a href="#">English Placement</a>
CCDM 114N	Algebra Skills	4	Contingent on <a href="#">Math Placement</a>
2 <a href="#">General Education Electives</a>		6	

Freshmen who start the math sequence with Pre-algebra are not eligible to begin their Electrical Engineering studies. The following schedule is typical:  
First Semester (14 credits)

Course	Description	Credit	Notes
ENGL 111G	Freshman Composition	4	Contingent on <a href="#">English Placement</a>
CCDM 103N	Prealgebra	4	Contingent on <a href="#">Math Placement</a>
2 <a href="#">General Education Electives</a>		6	