

# Engineering First Year

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oirp.ncsu.edu/pgas/>)!

Code	Title	Hours	Counts towards
<b>Fall Semester</b>			
CH 101 & CH 102	Chemistry - A Molecular Science and General Chemistry Laboratory	4	
E 101	Introduction to Engineering & Problem Solving	1	
E 115	Introduction to Computing Environments	1	
ENG 101 or FLE 101	Academic Writing and Research Academic Writing and Research	4	
MA 141	Calculus I	4	
HES GEP		1	
<b>Spring Semester</b>			
E 102	Engineering in the 21st Century	2	
PY 205 & PY 206	Physics for Engineers and Scientists I and Physics for Engineers and Scientists I Laboratory	4	
MA 241	Calculus II	4	
EC 205	Fundamentals of Economics	3	
GEP or Major Requirement		3	
<b>Total Hours</b>		<b>31</b>	

This is a sample.

Course	Title	Hours
<b>First Year</b>		
<b>Fall Semester</b>		
CH 101 & CH 102	Chemistry - A Molecular Science and General Chemistry Laboratory	4
E 101	Introduction to Engineering & Problem Solving	1
E 115	Introduction to Computing Environments	1
MA 141	Calculus I	4
ENG 101 or FLE 101	Academic Writing and Research or Academic Writing and Research	4
GEP HES Class		1
<b>Hours</b>		<b>15</b>

## Spring Semester

E 102	Engineering in the 21st Century	2
PY 205 & PY 206	Physics for Engineers and Scientists I and Physics for Engineers and Scientists I Laboratory	4
MA 241	Calculus II	4
EC 205	Fundamentals of Economics	3
GEP or Major Requirement		3
<b>Hours</b>		<b>16</b>
<b>Total Hours</b>		<b>31</b>