

# State University of New York at New Paltz

This **eight-semester plan** (see [important details](#)) is intended to guide a first-year student through a four-year undergraduate career, with completion of an academic major and all college-wide degree requirements. The plan is designed as an **advising tool** – a starting point for careful discussions between a student and his/her academic adviser. In consultation, the student and adviser will adjust the plan to accommodate the student's prerequisite needs, transferred credits, and other such variables.

Students are responsible for reviewing their [Progress Reports](#) each semester to track their own progress toward degree requirements.

## Electrical Engineering

### Year 1

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
<a href="#">MAT251</a> Calculus I (MATH)	4	<a href="#">MAT252</a> Calculus II	4
<a href="#">CHE201</a> /211 Gen Chem I/Lab OR <a href="#">BIO201</a> /211 Gen Bio I/Lab	4	<a href="#">PHY201</a> General Physics 1 (NSCI)	3
<a href="#">EGG101</a> Introduction to Engineering Science	3	<a href="#">PHY211</a> Physics 1 Laboratory	1
Gen Ed: Composition I (COMP)	3	<a href="#">EGC251</a> C/C++ Programming	3
Gen Ed: Humanities (HUM)	3	Gen Ed: Composition II (COMP)	3
<b>Total</b>	17	Gen Ed: Social Sciences (SSCI)	3
		<b>Total</b>	17

### Year 2

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
<a href="#">MAT359</a> Ordinary Differential Equations	3	<a href="#">MAT362</a> Linear Algebra	3
<a href="#">PHY202</a> General Physics 2 (NSCI)	3	<a href="#">MAT353</a> Calculus III	4
<a href="#">PHY212</a> General Physics 2 Lab	1	<a href="#">EGE200</a> Circuit Analysis	3
<a href="#">EGC220</a> Digital Logic Fundamentals	3	<a href="#">EGE201</a> Circuits Laboratory	1
<a href="#">EGC221</a> Digital Logic Lab	1	<a href="#">EGE331</a> Computer Simulation	3
Gen Ed: The Arts (ART)	3	<a href="#">EGG321</a> Technical Communication	3
<b>Total</b>	14	<b>Total</b>	17

**Year 3**

<b>Fall Semester</b>		<b>Spring Semester</b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
<a href="#">EGE311</a> Signals and Systems	3	<a href="#">MAT380</a> Applied Probability and Statistics	3
<a href="#">EGE340</a> Applied Electromagnetics	3	<a href="#">EGE350</a> Electric Energy Systems	3
<a href="#">EGC331</a> Microcontroller System Design	3	<a href="#">EGE351</a> Electric Energy Systems Laboratory	1
<a href="#">EGC332</a> Microcontroller Laboratory	1	<a href="#">EGE321</a> Electronics II	3
<a href="#">EGE320</a> Electronics I	3	<a href="#">EGE323</a> Electronics II Laboratory	1
<a href="#">EGE322</a> Electronics I Laboratory	1	<a href="#">EGE416</a> Control Systems	3
<b>Total</b>	14	<a href="#">EGM211</a> Statics OR <a href="#">EGM331</a> Thermodynamics	3
		<b>Total</b>	17

**Year 4**

<b>Fall Semester</b>		<b>Spring Semester</b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
Technical Elective	3	Technical Elective	3
Technical Elective	3	Technical Elective	3
<a href="#">EGE412</a> Communication Systems	3	Gen Ed: Western Civilization (WEST)	3
Gen Ed: United States Studies (USST)	3	Gen Ed: World Civilizations and Cultures (WRLD)	3
<a href="#">EGE408</a> Senior Design Project 1 (WI)	3	<a href="#">EGE409</a> Senior Design Project 2 (WI)	3
<b>Total</b>	15	<b>Total</b>	15

**Total Credits: 126**