

## Sample Degree Plan with a Concentration in Physics

Degree: Bachelor of Science

Registered Area: Science, Mathematics and Technology

Concentration: Physics

### Transcript Credit

Concentration	Credits	General Learning	Credits
		* AP Chemistry	4
		* AP English	4
		* AP US History	4
		* Introduction to Philosophy	4
		* Terrorism and Globalization	4
		* Microeconomics	3
		* Macroeconomics	3
		* Calculus I	3
		* US History	3
		* Introduction to Ethics	3
		* Philosophy of Law I	3
		* Problems in Analytic Philosophy	3
		* Philosophy of Law II	3
		*+ Topics in Philosophy	3
		*+ Advanced Ethical Theory	3
		*+ Philosophy of Language	3
		+ Seminar	1
		*+ 19th Century Political Theory	3
		*+ Social Ethics	3

Total Transcript Credit: 60  
Total Advanced Standing: 60

### Empire State College

Concentration	Credits	General Learning	Credits
* PHYS-1200 Physics I w/ Lab	4	* EDPL-1010 Educational Planning: Intro II	4
* PHYS-1201 Physics II w/ Lab	4	* MATH-1140 Precalculus	4
* PHYS-1100 Introductory Astronomy	4	* MATH-2140 Calculus I	4
*+ Classical Mechanics	4	* MATH-2141 Calculus II	4
*+ Statistical Mechanics	4	*+ MATH-3040 Calculus III	4
*+ Physical Optics	4	*+ MATH-3065 Ordinary Differential Equations	4

*+ Introduction to Fiber Optic Communications	4		
*+ Special Topics in Physics	4		
*+ An Investigation of Energy Management	4		
Energy Sources	4		

Total Empire State College Credit: 64  
Degree Program Total: 124

## Summary

	Degree Program	Concentration	Requirements
<b>Total Credits</b>	124	40	OK
<b>ESC Studies</b>	64		OK
<b>Advanced Level (+)</b>	48	24	OK
<b>Liberal Studies (*)</b>	119		OK
<b>Advanced Standing</b>	60		OK