

## Depa nsula **START HERE**



Electives

Electives

Electives Concentration

Electives

35

11

Concentration

Science

Academic

Science

Academic

Concentration Science Academic

Concentration Science

artment of Physical Science a.edu/physical-science	

	SEMESTER 1	Milestones	Grade	Credits	Electives	
YEAR 1	*CHEM 1030 — General Chemistry 1	<b></b>		3	Concentration Science	
	*CHEM 1031 — General Chemistry Laboratory 1	<i>\$</i>		1	Academic	
	MATH 1100 — Precalculus Mathematics			6		
	ENGL 1010 — Composition & Rhetoric 1			3		
	UNIV 1000 – The University Experience			1		

<sup>\*</sup> Classes require a minimum grade of C to pass.

Science	
Academic	

Credits

SEMESTER 2	Milestones	Grade	Credits	Electi
*PHYS 2510 — General Analytical Physics 1	₩.		3	Concentrat Science
*PHYS 2511 — General Analytical Physics Laboratory 1	<i>\$</i>		1	Academic
MATH 2100 — Analytical Geometry & Calculus 1	**		5	
*BIOL 1010 – Biology Principles 1			3	
*BIOL 1011 – Biology Principles Laboratory 1			1	
ENGL 1020 — Composition & Rhetoric 2			3	

<sup>\*</sup> Classes require a minimum grade of C to pass.

Semester Credits \_\_\_\_

Total Credits \_\_\_\_\_

	SEMESTER 1	Milestones	Grade	Credits	Electives
7	*PHYS 2520 — General Analytical Physics 2	<b>A</b>		3	Concentration
~	*PHYS 2521 — General Analytical Physics Laboratory 2	₩.		1	Science Academic
/EA	*PHYS 3400 — Minicomputer Interfacing with Scientific Instrumentation	s?		3	
	*PHYS 3510 — Numerical Simulations in Physics	<b></b>		3	
	MATH 2110 — Analytical Geometry & Calculus 2	<i>\$</i>		5	

<sup>\*</sup> Classes require a minimum grade of C to pass.

Semester Credits \_\_\_\_

Semester Credits \_

Total Credits \_\_\_\_

SEMESTER 2	Milestones	Grade	Credits
*PHYS 4510 — Mechanics	<i>\$3</i>		4
*CHEM 1040 — General Chemistry 2	<i>\$3</i>		3
*CHEM 1041 — General Chemistry Laboratory 2	<i>\$3</i>		1
*MATH 3130 — Analytical Geometry & Calculus 3	<i>\$3</i>		3
ENGL 2110 — Introduction to Literature			3
COMM 1010 or COMM 2500			3

 $<sup>\</sup>ensuremath{^*}$  Classes require a minimum grade of C to pass.

\*PHYS 3291 — Computational Condensed Matter

\*PHYS 3710 - Thermodynamics & Statistical Mechanics

Semester Credits \_\_\_\_ Total Credits \_\_\_\_

Grade

Credits

3

3

3

3

	SEMESTER 1	Milestones	Grade	Credits	
	*PHYS 3010 — Electromagnetism & Nonlinear Optics	₽.		3	
8	*PHYS 3011 — Electromagnetism & Nonlinear Optics Laboratory	₩.		1	l
AR	*PHYS 4100 — Modern Physics	<b></b>		3	l
YE	*MATH 3160 — Ordinary Differential Equations	<b>A</b>		3	
	*BIOL 1020 — Biology Principles 2			3	
	*BIOL 1021 — Biology Principles Laboratory 2			1	

<sup>\*</sup> Classes require a minimum grade of C to pass.

Semester Credits \_\_\_\_ Total Credits

Concentration	
Science	
Academic	

Electives

Concentration

Academic

Credits

HIST 10	10, HIST	1020, H	IST 2010,	or HIS	T 2020 —

CHEM 3210 — Chemical Thermodynamics

\* Classes require a minimum grade of C to pass.

Semester Credits \_\_\_\_\_

Milestones

20

Total Credits \_\_\_\_

- Apply to graduate school(s).

Electives - See the list below

SEMESTER 2

- Verify requirements for schools of your choice.

Milestones	Grade	Credits
<i>\$7</i>		3
ST.		3
		3
0,		3
20 –		3
	0, 0, 20 –	53° 53° 0,

<sup>\*</sup> Classes require a minimum grade of C to pass.

Semester Credits \_\_\_\_ Total Credits \_\_\_

SEMESTER 2	Milestones	Grade	Credits
*PHYS 4940 — Scientific Communication	<i>\$7</i>		3
*CHEM 3220 — Chemical Kinetic & Quantum Mechanics	<b>A</b>		3
FA 1040 —Exploring The Arts			3
Electives – See the list below			5

 $<sup>\</sup>ensuremath{^*}$  Classes require a minimum grade of C to pass.

Semester Credits \_

Total Credits \_\_\_\_\_120

YOU'VE FINISHED!



**Milestone**Should be taken in order to stay on track for graduation and professional school readiness.

Physical Science Course

This is for physics concentration, for other concentration or majors, consult with your advisor for any suggested changes.



## **GRADUATION REQUIREMENTS**





List of Electives	# of credits
PHYS 3900 – Special Topics in Physics	1
CHEM 2110 - Quantitative Analysis	3
CHEM 2111 - Quantitative Analysis Laboratory	1
CHEM 2120 - Introduction to Instrumental Analysis	3
CHEM 2121 - Introduction to Instrumental Analysis Laboratory	1
CHEM 2140 - Inorganic Chemistry	3
CHEM 2141 - Inorganic Chemistry Laboratory	1
CHEM 3210 – Chemical Thermodynamics	3
CHEM 3221 - Physical Chemistry Laboratory	2
MATH 1100 – Precalculus Mathematics	6
BIOL 3060 - Biostatistics	3

- Science electives: Students may select any course from Physics, Chemistry, Mathematics, or Biology.
- Academic Electives: Students are limited to a maximum of 6 hours of 1000-level courses.