

READING AREA COMMUNITY COLLEGE
CURRICULUM GUIDE – NANOSCIENCE (LAB.NT.AAS) –65 credits

6 SEMESTER PLAN Catalog: 2010-12

Other options are available for this degree and are detailed in the student catalog. The appropriate plan should be determined with a faculty advisor.

Note: If you enroll full-time, did not get a “C” or better in HS chemistry, and do not need pre-college math courses, you can complete the program in six (6) semesters by following this plan.

FIRST SEMESTER

FALL SEMESTER I (13 credits)

Course	Course Description	SEM	CR	GR
MAT110	Algebra II	ALL	3	
COM041	Basic Writing I	ALL	3	
CHE120	Principles of Chemistry	ALL	4	
ORI102	College Success Strategies	ALL	3	

SECOND SEMESTER

SPRING SEMESTER I (12 credits)

Course	Course Description	SEM	CR	GR
MAT160	College Algebra	ALL	3	
COM061	Advanced Reading	ALL	3	
COM051	Basic Writing II	ALL	3	
HUM	Humanities/Art Elective	ALL	3	

THIRD SEMESTER

FALL SEMESTER II (13 credits)

Course	Course Description	SEM	CR	GR
MAT165	Trigonometry	ALL	3	
IFT110	Microcomputer Apps	ALL	3	
ENV130	The Environment	ALL	3	
CHE150	Chemistry I	FA	4	

FOURTH SEMESTER

SPRING SEMESTER II (14 credits)

Course	Course Description	SEM	CR	GR
CHE155	Chemistry II	SP	4	
COM121	English Composition	ALL	3	
MAT210	Statistics	ALL	3	
PHY150	Applied Physics	FA,SP	4	

FIFTH SEMESTER

FALL SEMESTER III (15 credits)

Course	Course Description	SEM	CR	GR
NSC180	Electronics Nanoscience	FA	4	
NSC200	Nanofabrication Seminar	ALL	1	
BIO150	Biology I	ALL	4	
COM141	Technical Writing	FA,SP	3	
SOC125	The Individual & Society	ALL	3	

SIXTH SEMESTER

SPRING SEMESTER III at PSU Main Campus (18 credits)

Course	Course Description	SEM	CR	GR
NSC211	Materials, Safety & Equipment	SP	3	
NSC212	Basic Nanofabrication	SP	3	
NSC213	Thin Film Nanofabrication	SP	3	
NSC214	Lithography for Nanofabrication	SP	3	
NSC215	Materials Modification	SP	3	
NSC216	Characterization, Packaging & Testing	SP	3	