

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

**8 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 part-time your first 3 semesters, did not get a “C” or better in HS chemistry, and you need pre-college reading/writing/math courses, you can complete the program in eight (8) semesters by following this plan.**

**FIRST SEMESTER**

**FALL SEMESTER I (6 credits)**

Course	Course Description	SEM	CR	GR
MAT010	Math Skills Review	ALL	0	
COM021	Basics of College Reading	ALL	3	
ORI102	College Success Strategies	ALL	3	

**SECOND SEMESTER**

**SPRING SEMESTER I (6 credits)**

Course	Course Description	SEM	CR	GR
MAT020	Basics of College Math	ALL	3	
COM041	Basic Writing I	ALL	3	

**THIRD SEMESTER**

**FALL SEMESTER II (9 credits)**

Course	Course Description	SEM	CR	GR
MAT035	Algebra I with Quadratics	ALL	3	
COM051	Basic Writing II	ALL	3	
COM061	Advanced Reading	ALL	3	

**FOURTH SEMESTER**

**SPRING SEMESTER II (13 credits)**

Course	Course Description	SEM	CR	GR
MAT110	Algebra II	ALL	3	
COM121	English Composition	ALL	3	
CHE120	Principles of Chemistry	ALL	4	
HUM	Humanities/Art Elective	ALL	3	

**FIFTH SEMESTER**

**FALL SEMESTER III (13 credits)**

Course	Course Description	SEM	CR	GR
MAT160	College Algebra	ALL	3	
IFT110	Microcomputer Apps	ALL	3	
ENV130	The Environment	ALL	3	
CHE150	Chemistry I	FA	4	

**SIXTH SEMESTER**

**SPRING SEMESTER III (14 credits)**

Course	Course Description	SEM	CR	GR
MAT165	Trigonometry	ALL	3	
CHE155	Chemistry II	SP	4	
MAT210	Statistics	ALL	3	
PHY150	Applied Physics	FA,SP	4	

**SEVENTH SEMESTER**

**FALL SEMESTER IV (15 credits)**

Course	Course Description	SEM	CR	GR
NSC180	Electronics for 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	

**EIGHTH SEMESTER**

**SPRING SEMESTER IV 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	