

Program:	NT.AAS Nanoscience Technology AAS (66 credits)	Division:	STEM
Student:		ID#:	Catalog Year: 2021-22

Developmental Education Courses (if required)				<input type="checkbox"/>	COM-017/019	Foundational Reading/Writing		
<input type="checkbox"/>	EAP-018	Intensive Academic English	<input type="checkbox"/>	MAT-020	Basics of College Math	<input type="checkbox"/>	COM-097	Academic Literacy I
<input type="checkbox"/>	EAP-050/060	EAP Reading I and Writing I	<input type="checkbox"/>	MAT-03_		<input type="checkbox"/>	COM-098	Academic Literacy II

SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS

Courses are listed in preferred order of completion. Plans may be modified by adding more semesters.

SEMESTER 1 – Fall (16 credits)					
√	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
	MAT-210	Statistics	3	MAT-034 or 035, COM-098 or EAP-050 and EAP-060	All & OL
	CHE-150	Chemistry I	4	CHE 120 or high school chemistry with a C or better, MAT 110 with a C or better	Fall/Sp
	CSS-103*	College Success Strategies	3		All & OL
	COM-121*	English Composition I	3	COM-098 or EAP-050 and EAP-060 (C or better)	All & OL
	IFT-110*	Microcomputer Applications	3	MAT-020	All & OL

SEMESTER 2 – Spring (13 credits)					
√	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
	CHE-155	Chemistry II	4	CHE-150 with a C or better and MAT-160 or MAT-180	Spring
	COM-141	Technical Writing	3	COM-121 or COM-122 (C or better)	All
	HUM Elective	ART-111, ART-201, CON-110, ENG-125*, PHI-275*, PHI-275*	3	COM-098 or EAP-050 and EAP-060; COM-121/2	All & OL
	MAT-165	Trigonometry	3	MAT-160	All & OL

SEMESTER 3 – Fall (10 credits)					
√	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
	PHY-150	Applied Physics	4	MAT 110	Fall/Sp
	ART-201	Art Appreciation		COM-121 or COM-122	All & OL
	ENV-130*	Environment	3		All & OL
	SS Elective	ANT-140, HIS-110/115, PSY-130*, SOC-130*	3	COM-098 or EAP-050 and EAP-060; COM-121/2	All & OL

SEMESTER 4 – Spring (9 credits)					
√	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
	BIO-150	Biology I	4	MAT-030, COM-098 or EAP-050 and EAP-060 and CHE-120	All
	NSC-180	Electronics for Nanoscience	4	CHE 150, MAT 165, PHY 150 or PHY 245	Spring
	NSC-200	Nanofabrication Seminar	1	Approval of Nanoscience Advisor	varies

The following 3-credit courses are taught at the Penn State Nanofabrication facility as the capstone semester for the program (consult advisor for semester information): (18 credits)			
NSC-211	Materials, Safety & Eq. Overview for NF	NSC-212	Basic Nanofabrication Process
NSC-213	Thin Films in Nanofabrication	NSC-214	Lithography for Nanofabrication
NSC-215	Materials Modification in NF	NSC-216	Characterization, Pkg. and Testing of NF Structures

Date created: September 2019	Updated: March 2021	All = Fall/Spring/Summer OL = Online
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