Program: Nanoscience Technology, CC (48 credits)					Division: Science and Mathematics		
Student:					ID#:		

FALL SEMESTER 1 (10 credits)

√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	MAT-165	Trigonometry	3	X	MAT-160	All	
	IFT-110*	Microcomputer Application	3	X	COM 061 or ESL 060, MAT 020		
	CHE-150	Chemistry I	4	X	CHE 120 or high school chemistry with a C or better, MAT 110 with a C or better	Fall	

SPRING SEMESTER 1 (11 Credits)

√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	CHE-155	Chemistry II	4	X	CHE-150 and MAT-160 or MAT-180	Spring	
	MAT-210	Statistics	3	X	MAT-030, COM-061 or ESL-060, COM-051 or ESL-050	All	
	PHY-150	Applied Physics	4	X	COM 061 or ESL 060, MAT 110	Fall/Sp	

FALL SEMESTER 2 (9 credits)

√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	NSC-180	Electronics for Nanoscience	4	X	CHE 150, MAT 165, PHY 150 or PHY 245	Fall	
	NSC-200	Nanofabrication Seminar	1	X	Approval of Nanoscience Advisor	Varies	
	BIO-150	Biology I	4	X	MAT-030, COM-061 or ESL-060 , COM-050/1 or ESL-050 and CHE-120 or high school Chemistry with a C or better	All	

SPRING SEMESTER 2 at Penn State Main Campus (18 credits)

√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	NSC-211	Materials, Safety & Equipment Overview for Nanofabrication	3	X	Approval of Nanoscience Advisor		
	NSC-212	Basic Nanofabrication Process	3	X	Approval of Nanoscience Advisor		
	NSC-213	Thin Films in Nanofabrication	3	X	Approval of Nanoscience Advisor		
	NSC-214	Lithography for Nanofabrication	3	X	Approval of Nanoscience Advisor		
	NSC-215	Materials Modification in Nanofabrication	3	X	Approval of Nanoscience Advisor		
	NSC-216	Characterization, Packaging and Testing of Nanofabricated Structures	3	X	Approval of Nanoscience Advisor		

This program, in conjunction with the Pennsylvania State University Nanofabrication Manufacturing Technology Program, prepares students for careers as skilled technicians for manufacturers utilizing nanofabrication technology. This discipline includes biotechnology, automation, miniaturization, integration, optics, robotics and information systems. This program is designed for students who have already earned a college degree and wish to expand their education.

Advisor's Contact Information: