

Engineering Science - Nanotechnology Concentration

student name: _____

Engineering Science - Nanotechnology Concentration Worksheet (By Requirement)

total credits: 128

Science & Electives	Semester	Credits	Notes/Comments (AP/TRNSF)	Humanities, Social Science	Semester	Credits	Notes/Comments (AP/TRNSF)
Chem 1610		3		HSS 1		3	
Chem 1611		1		HSS 2		3	
Phys 1425		3		HSS 3		3	
Phys 1429		1					
Phys 2415		3		Unrestricted Elective	Semester	Credits	Notes/Comments (AP/TRNSF)
Phys 2419		1		UNRE 1		3	
Math and Science Elective		3		UNRE 2		3	
Science Elective		4		UNRE 3		3	

Applied Math	Semester	Credits	Notes/Comments (AP/TRNSF)	STS and Thesis	Semester	Credits	Notes/Comments (AP/TRNSF)
APMA 1110		4		STS 1500		3	
APMA 2120		4		STS 3110 (rec.)		3	Societal Dimensions of Nanotech
APMA 2130		4		STS 4500		3	
Adv Math/CS Elective		3		STS 4600		3	

MSE Primary Minor	Semester	Credits	Notes/Comments (AP/TRNSF)	ENGR and CS	Semester	Credits	Notes/Comments (AP/TRNSF)
MSE 2090		3		ENGR 1624		4	
MSE3050		3		CS 111x		3	
MSE 3060		3					
MSE 3101		3		Nanotechnology AOC	Semester	Credits	Notes/Comments (AP/TRNSF)
MSE xxxx (3080 rec.)		3		Tech Elective 1		3	ENGR 3610 (required)
MSE xxxx		3		Tech Elective 2		3	*see below
				Tech Elective 3		3	*

Secondary Minor	Semester	Credits	Notes/Comments (AP/TRNSF)	Adv Tech Elec	Semester	Credits	Notes/Comments (AP/TRNSF)
SM 1		3		Adv Tech Elec 1		3	*
SM 2		3		Adv Tech Elec 2		3	*
SM 3		3					
SM 4		3		Advanced Independent Project	Semester	Credits	Notes/Comments (AP/TRNSF)
SM 5		3		AP 1		3	
SM 6		3		AP 2		3	

* select 4 AOC courses from: MAE 3130, ENGR 2500, CHE 4442, ECE 4140, MSE 3670, MSE 4050

Signature of Advisor: _____ (final approval of student's plan)

revised December 2018

date: _____