BS in Applied Physics
(revised Fall 2012)

Student ID: _____   Name: _____
Address: _____
Telephone (H): (____) _____   Telephone (W): (____) _____
Initially Advised by: _____   Expected Date of Graduation: _____
Date: _____   Email: _____

Lower Level Courses Required				
			Semester/Year	Grade
PHYS 140	Physics for Engineering I (Lecture)	3cr		
PHYS 1140	Physics for Engineering I (Laboratory and Recitation)	1cr		
PHYS 141	Physics for Engineering II (Lecture)	3cr		
PHYS 1141	Physics for Engineering II (Laboratory and Recitation)	1cr		
PHYS 230	Physics III – Lecture	3cr		
PHYS 1230	Physics III – Laboratory	1cr		
MATH 192	Calculus and Analytic Geometry I	4cr		
MATH 193	Calculus and Analytic Geometry II	4cr		
MATH 292	Calculus and Analytic Geometry III	4cr		
MATH 311	Differential Eq. for Engineering	4cr		
CHEM 105	General Chemistry I – Lecture	3cr		
CHEM 1105	General Chemistry I – Laboratory	2cr		
CHEM 106	General Chemistry II – Lecture	3cr		
CHEM 1106	General Chemistry II - Laboratory	2cr		
INTD 180	Computer as a Tool for Sc. and Math	**3cr**		
	Total	41cr		

Upper Level Courses Required				
			Semester/Year	Grade
PHYS 321	Theory and Applications of E&M	3cr		
PHYS 401	Theory and Applications of Modern Optics - Lecture	3cr		
PHYS 1401	Theory and Applications of Modern Optics – Laboratory	1cr		
PHYS 405	Introduction to Quantum Mechanics	3cr		
PHYS 410	Classical Mechanics	4cr		
	Total	14cr		

Restricted Electives (minimum of 9 credits)				
			Semester/Year	Grade
PHYS 240	Digital Techniques and Applications	3cr		
PHYS 301	Thermodynamics and Kinetic Theory	3cr		
PHYS 307	Principles of Electronics: Analog Techniques	2cr		
PHYS 404	Nuclear Radiation: Theory and Applications	3cr		

Supportive Electives (minimum of 9 credits)				
			Semester/Year	Grade
BIOL 130	Principles of Biology I	4cr		
BIOL 131	Principles of Biology II	4cr		
BIOL 307	Electron Microscopy	4cr		
GEOS 111	Physical Geography	3cr		
PHYS 113	Introduction to Astronomy	3cr		
MATH 330	Mathematical Statistics	3cr		

This advisement sheet is provided for informational purposes only. Students should consult an adviser before registering for classes. Some classes have pre-requisites and some students might have to complete Academic Foundation courses before registering for the classes listed here.