B.S. in Nanoscale Science Advisement Worksheet

Foundational Principles (20 credits)		**Core Competencies** (27 credits)		**Nanotechnology survey** (6 credits)	
N SCI/N ENG/ T SCI/ENH 114 (3)	**NS**	N SCI/T SCI 220 (3)		N SCI/N ENG 101 (3)	**NS**
N SCI/N ENG 115 (1)		N SCI/T SCI 230 (3)		N SCI/N ENG 102/Z (3)	**SS WI**
N SCI/N ENG 116 (3)	**NS Fx**	N SCI 300 (3)		N SCI/N ENG 103 (3)	**SS**
N SCI/N ENG 117 (1)		N SCI 305 (3)		N SCI/N ENG 104 (3)	**SS**
N SCI/N ENG 126 (3)	**NS**	N SCI 350 (3)			
N SCI/N ENG 127 (1)		N SCI 360 (3)			
N SCI/N ENG 128 (3)		N SCI 410 (3)			
N SCI/N ENG 129 (1)					
NENG/TENH 140 (3)	**NS**				
NENG/TENH 141 (1)					

** N SCI/N ENG 128 and 140 (=T SCI /T ENH 140) may be replaced by N SCI 130 and 132 if pursuing a Nanobioscience concentration*

Concentrations (choose one of the concentrations below)

Nanoelectronics (12 credits: choose 4 courses)		*Nanostructured Materials* (12 credits: choose 4 courses)		*Nanobioscience* (12 credits: choose 4 courses)	
N SCI 310 (3)		N SCI 310 (3)		N SCI 240 (3)	
N SCI 320 (3)		N SCI 320 (3)		N SCI 330 (3)	
N SCI 420 (3)		N SCI 430 (3)		N SCI 440 (3)	
N SCI 421 (3)		N SCI 431 (3)		N SCI 441 (3)	
N SCI 422 (3)		N SCI 432 (3)		N SCI 442 (3)	
N SCI 423 (3)		N SCI 433 (3)		N SCI 443 (3)	
N SCI 424 (3)		N SCI 434 (3)			

Capstone (9 credits)		**Nanotechnology survey** (6 credits)		**Topical electives** (9 credits)	
N SCI 390X (3)	**IL**	N SCI/N ENG 101 (3)	**NS**	N SCI/NENG 4__ (3)	
N SCI 490 (3)		N SCI/N ENG 102Z (3)	**SS WI**	N SCI/NENG 4__ (3)	
N SCI 492W/493W (3)		N SCI/N ENG 103 (3)	**SS**	N SCI/NENG 4__ (3)	
		N SCI/N ENG 104 (3)	**SS**		

Nanoscale science and technology skills (6 credits)		**Senior seminar** (1 credit)		**Mathematics** (18 credits)	
N SCI 2__ (3)		N SCI 498 (1-6) or Equivalent		A MAT 112/118 (4)	**MS**
N SCI 2__ (3)				A MAT 113/119 (4)	
N SCI 2__ (2)				A MAT 214/218 (4)	
				A MAT 220 (3)	
				A MAT 314 (3)	

General Education Requirements:

MS *Mathematics and Statistics*(one course)
WI Writing Intensive (1 course- "S" or "C" or better)
AR Arts (one course)
HU Humanities (one course)
NS Natural Sciences (one course)
SS Social Sciences (one course)
US U.S. History (one course)
IP International perspectives (one course)
IL Information Literacy (one course)
FL *Foreign Language* (one course).
Fx Flex category (fulfilled by second NS course in first semester)
CH Challenges for the 21st Century (for students matriculating in Fall 2013)

Modified 3/5/13 by D. White