

**Sample Plan #1: Physics Emphasis, starting with MATH 111 and 100-level PHYS/CH**

**Year 1**

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
CH 111	4	CH 221	4	CH 222	4
MATH 111	4	MATH 112	4	MATH 251	4
WR 111Z	4	WR 112Z	4	DSCI 101	4
Core Ed	4	Core Ed	4	Core Ed	4

Year 1 credits: 48

**Year 2**

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
CH 223	4	MATH 252	4	MATH 253	4
PHYS 251+290	5	PHYS 252+290	5	PHYS 253+290	5
MSTC 231	4	MSTC 232	4	CH 329	3
Core Ed	4	Core Ed	4	Core Ed	4

Year 2 credits: 50

**Apply into Materials Science and Technology program (end of Year 2)**

**Year 3**

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
PHYS 351	4	PHYS 352	4	PHYS 353	4
CH 341	4	PHYS 391	4	MATH 341	4
MATH 256	4	MATH 281	4	Core Ed	4
Core Ed	4	Core Ed	4		

Year 3 credits: 44

**Year 4**

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
MSTC 431	4	MSTC 441	4	MSTC 432	4
MATH 282	4	UD Elective	4	MSTC 442	4
UD Elective	4	Core Ed	4	UD Elective	4

Year 4 credits: 36

Total credits: 178

*UD elective: Upper-division elective for MSTC major*

*Core Ed: Courses to meet the Arts and Letters, Social Science, and Cultural Literacy requirements*

**Sample Plan #2: Chemistry Emphasis, starting with MATH 111 and 100-level PHYS/CH****Year 1**

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
CH 111	4	CH 221	4	CH 222	4
MATH 111	4	MATH 112	4	MATH 251	4
Core Ed	4	WR 111Z	4	WR 112Z	4
Core Ed	4	CH 227	2	CH 228	2

Year 1 credits: 44

**Year 2**

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
CH 223	4	MATH 252	4	MATH 253	4
PHYS 201	4	PHYS 202	4	PHYS 203	4
MSTC 231	4	MSTC 232	4	CH 329	3
CH 229	2	Core Ed	4	Core Ed	4
Core Ed	4				

Year 2 credits: 49

**Apply into Materials Science and Technology program (end of Year 2)****Year 3**

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
CH 411	4	CH 342 or 412	4	CH 343 or 413	4
CH 341	4	CH 348 or 418	4	MATH 341	4
CH 337 or 417	4	MATH 281	4	Core Ed	4
MATH 256	4	Core Ed	4		

Year 3 credits: 44

**Year 4**

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
MSTC 431	4	MSTC 441	4	MSTC 432	4
MATH 282	4	UD Elective	4	MSTC 442	4
UD Elective	4	Core Ed	4	UD Elective	4
Core Ed	4	Core Ed	4		

Year 4 credits: 44

Total credits: 181