Sample Plan #1: Starting with MATH 150Z and 100-level PHYS/CH

Year 1

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
CH 150Z	4	CH 221Z	4	CH 222Z	4
MATH 111Z	4	MATH 112Z	4	MATH 251Z	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 223Z	4	MATH 252Z	4	MATH 253Z	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 441M	4	MSTC 432	4
MATH 282	4	UD Elective	4	MSTC 442M	4
UD Elective	4	Core Ed	4	UD Elective	4

Year 4 credits: 36

Total credits: 178

Plan #2: Starting with MATH 150Z and 100-level PHYS/CH

Year 1

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
CH 150Z	4	CH 221Z	4	CH 222Z	4
MATH 111Z	4	MATH 112Z	4	MATH 251Z	4
Core Ed	4	WR 111Z	4	WR 112Z	4
Core Ed	4	CH 227Z	2	CH 228Z	2

Year 1 credits: 44

Year 2

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
CH 223Z	4	MATH 252Z	4	MATH 253Z	4
PHYS 201	4	PHYS 202	4	PHYS 203	4
MSTC 231	4	MSTC 232	4	CH 329	3
CH 229Z	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 441M	4	MSTC 432	4
MATH 282	4	UD Elective	4	MSTC 442M	4
UD Elective	4	Core Ed	4	UD Elective	4
Core Ed	4	Core Ed	4		

Year 4 credits: 44

Total credits: 181

Plan #3: Starting with MATH 251Z and 200-level PHYS/CH

Year 1

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
CH 224H*	4	CH 225H*	4	CH 226H*	4
PHYS 251+290	5	PHYS 252+290	5	PHYS 253+290	5
MSTC 231	4	MSTC 232	4	CH 329	3
MATH 251Z	4	MATH 252Z	4	MATH 253Z	4

**As of Fall 2026. CH 224H = CH 221HZ, CH 225H = CH 222HZ, CH 226H = CH 223HZ*

Total credits: 50

Apply into Materials Science and Technology program (end of year 1)

Year 2

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
PHYS 351	4	PHYS 352	4	PHYS 353	4
CH 341	4	PHYS 391 or 431	4	PHYS 481 or 432	4
MATH 256	4	MATH 281	4	Core Ed	4
DSCI 101	4	WRI 121Z	4	WRI 122Z	4

Total credits: 48

Year 3

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
MSTC 431	4	MSTC 441M	4	MSTC 432	4
MATH 282	4	MATH 341	4	MSTC 442M	4
Core Ed	4	Core Ed	4	Core Ed	4
Core Ed	4				

Total credits: 40

Year 4

Fall		Winter		Spring	
Course	Credits	Course	Credits	Course	Credits
UD Elective	4	UD Elective	4	UD Elective	4
Core Ed	4	Core Ed	4	Core Ed	4
Core Ed	4				

Total credits: 32

170 credits shown, must add Electives / research credits to get total to 180