

FIRST YEAR ADVISING SHEET

Computer Engineering, Engineering (with concentrations in Mechanical Engineering, Electrical Engineering, or Sustainable Design), Physics, Physics-Secondary Education, and Industrial Engineering Management

For students whose math placement is **MA121**

FALL					
Major	PHY200** (4 cr.) College Physics I	MA121** (4 cr.) Calculus I	EGR100 (2 cr.) Introduction to Engineering I	CS121 (4 cr.) Computer Science I	ED105 (3 cr.) Foundations of Education
Computer Engineering	R	R	R	*	
Engineering – ME/EE/SD	R	R	R	*	
Physics	R	R		*	
Physics – Secondary Education	‡	R		*	R
Industrial Engineering Management	R	R	R	*	

SPRING								
Major	PHY200** (4 cr.) College Physics I	PHY201 (4 cr.) College Physics II	MA122 (4 cr.) Calculus II	EGR110 (2 cr.) Introduction to Engineering II	CS121 (4 cr.) Computer Science I	CS122 (4 cr.) Computer Science II	ED105 (3 cr.) Foundations of Education	PSY105 (4 cr.) General Psychology
Computer Engineering		R	R	R	S	*		
Engineering – ME/EE/SD		R	R	R	S			
Physics		R	R		*			
Physics – Secondary Education	‡R	‡ (after PHY200)	R		*		R	
Industrial Engineering Management		R	R	R	*			*

R=Required

S=Suggested

**Accepted for Core

* If comfortable with heavy load (we recommend 14 credits in the fall and 18 in the spring for most students)

‡ Physics - Secondary Education majors may take PHY200 in first semester (because of GPA requirements to remain in Education majors, it is often advisable to take PHY200 **after** completing MA121)

ENGINEERING AND PHYSICS DEPARTMENT

For students whose math placement is **MA110**

FALL					
Major	Power of Language	MA110 (4 cr.) College Algebra and Trigonometry	EGR100 (2 cr.) Introduction to Engineering I	CS121 (4 cr.) Computer Science I	ED105 (3 cr.) Foundations of Education
Computer Engineering	S	R	R	R	
Engineering – ME/EE/SD	S	R	R	R	
Physics	S	R			
Physics – Secondary Education		R		S	R
Industrial Engineering Management	S	R	R	R	

SPRING							
Major	PHY200** (4 cr.) College Physics I	MA121 (4 cr.) Calculus I	EGR110 (2 cr.) Introduction to Engineering II	CS121 (4 cr.) Computer Science I	CS122 (4 cr.) Computer Science II	ED105 (3 cr.) Foundations of Education	PSY105 (4 cr.) General Psychology
Computer Engineering	R	R	R				
Engineering – ME/EE/SD	R	R	R				
Physics	R	R		S			
Physics – Secondary Education	R	R				R	
Industrial Engineering Management	R	R	R				S

R=Required

S=Suggested

**Accepted for Core

We recommend most students take 19 credits in the fall and 14 credits in the spring when placing into MA110.

NOTES

Dr. Atwood and Jennifer McFadden in the Engineering & Physics Department help create first- semester freshman schedules. All FYS advisors should consult them with any questions.

Engineering majors should refer to the college catalog regarding specific core exceptions to each engineering major.

Students with computer experience should discuss with Dr. Leap (*Computer Science Department*) the advisability of enrolling in a higher-numbered computer science course in place of CS121.