ENGINEERING AND PHYSICS DEPARTMENT

FIRST YEAR ADVISING SHEET

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

For students whose math placement is MA121

FALL

All students will register for:
FYS100 First Year Seminar (4 cr.)

Some students will register for:
EN150 Advanced Writing & Language (4 cr.)

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
Engineering – ME/EE/SD	R	R	R	*	
Computer Engineering	R	R	R	*	
Industrial Engineering Management	R	R	R	*	
Physics	R	R		*	
Physics – Secondary Education	‡	R		*	R

SPRING

Most students will register for:
EN100 Writing & Language (4 cr.)

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
Engineering – ME/EE/SD		R	R	R	S			
Computer Engineering		R	R	R	S	*		
Industrial Engineering Management		R	R	R	*			*
Physics		R	R		*			
Physics – Secondary Education	‡R	‡ (after PHY200)	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)

For students whose math placement is MA121R

FALL

All students will register for:
FYS100 First Year Seminar (4 cr.)

Some students will register for:
EN150 Advanced Writing & Language (4 cr.)

Major	**PHY200**** (4 cr.) College Physics I	**MA121R**** (6 cr.) Calculus I	**ED105** (3 cr.) Foundations of Education
Engineering – ME/EE/SD	R	R	
Computer Engineering	R	R	
Industrial Engineering Management	R	R	
Physics	R	R	
Physics – Secondary Education	‡	R	R

SPRING

Most students will register for:
EN100 Writing & Language (4 cr.)

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

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.