



# College of Science & Mathematics Student Success Center

## Physics/Engineering Physics Major Course Recommendations (Non-FSC)

- These recommendations will help you build your WISER course schedule “shopping cart” based the sample schedules below.
- Your math placement result will determine which sample schedule to select.
- On WISER, put the subject abbreviation (ex. ENGL) on the subject line, and the provided number (ex. 101) in the course number line.

### If you are placed into MATH115, take...

- **MATH115**- College Algebra; 3 Credits
- **ENGIN104** - Introduction to Electrical and Computer Engineering; 3 Credits
- **ENGL101** - Composition I; 3 Credits
- **First-Year Seminar** - 4 Credits
- **General Education Distribution** - 3 Credits

### If you are placed into MATH130, take...

- **MATH130** - Pre-Calc; 3 Credits
- **ENGIN104** - Introduction to Electrical and Computer Engineering; 3 Credits
- **ENGL101** - Composition I; 3 Credits
- **First-Year Seminar** - 4 Credits
- **General Education Distribution** - 3 Credits

### If you are placed into MATH140, take...

- **Physics 113 and 181** - Physics I Lecture and Lab; 6 Credits
- **Math 140**- Calculus 1; 4 Credits
- **ENGL 101**- Composition I; 3 Credits
- **First-Year Seminar** - 4 Credits

### Important Considerations:

- You may retake the ALEKS if you have not used all three attempts to try and place into a higher math level.
- If you have earned AP credit or have dual enrollment credit being transferred, speak to an advisor.
- If you are having trouble enrolling into Physics 113/181 because the class is full, please contact the Physics Department ([physics@umb.edu](mailto:physics@umb.edu))
- Enrollment into Physics 113 and Physics 181 requires placement into Math 140. (ALEKS: 74, SAT: 640, ACT: 27)
- Some classes in the Engineering Physics and Physics majors have grade requirements that must be met in order to move on to the next level of a class. These are called prerequisites.
  - Math 115: Earn a B or better to move on to Math 130
  - Math 130: Earn a B or better to move on to Math 140
  - Math 140: Earn a C- or better to move on to Math 141
  - Physics 113 and 181: Earn a C- or better in both classes to move on to Physics 114 and 182