## SAMPLE 4-YEAR PLAN: PHYSICS B.S.

## Northern Kentucky University

MAJOR: Physics
This is one way a student can complete this program in four years if the student requires no remedial courses


|  | General Education Course | 3 | PHY 320/315/AST 310 <br> Optics/Astrophysics/AST <br> Techniques ${ }^{4}$ | 3 |
| :---: | :---: | :---: | :---: | :---: |
|  | TOTAL | 16 | TOTAL | 16 |
| FOURTH YEAR <br> If you're considering graduate school, prepare for the admission tests (e.g., GRE). Take the test. | Fall Semester |  | Spring Semester |  |
|  | PHY 410/420/460 <br> Electromagnetic Thy/ Modern Phy II/Quantum | 3 | PHY 410/420/460 <br> Electromagnetic Thy/ <br> Modern Phy II/Quantum | 4 |
|  | General Education Course | 3 | PHY 494 Physics Seminar | 1 |
|  | PHY 405 Classical Mechanics | 3 | Elective (300 or 400 level) ${ }^{3}$ | 3 |
| Develop your resume. | Elective | 3 | Elective | 3 |
|  | Elective | 3 | Elective | 3 |
| Begin your job search. | TOTAL | 15 | TOTAL | 14 |
| GRAND TOTAL OF CREDITS |  |  |  | 120 |

Notes: This plan is ONE way in which you can complete your degree program in 4 years; it is not the only way. It assumes that you do not have to take any developmental courses (courses numbered below 100), that you start with MAT 129, that you are not a transfer student, and you are beginning in the fall semester.
${ }^{1}$ PHY 222 and PHY 224 may be taken in any order after completion of PHY 220 with a grade of C- or better. PHY 222 is taught only fall semesters; PHY 224 is taught only spring semesters.
${ }^{2}$ Regarding General Education, as shown on this plan, the Physics program highly recommends that you complete one oral and one written communication class during your first year and the second written communication class in your second year. The Natural Sciences and the mathematics/statistics requirements will be satisfied by the required physics, math, and chemistry courses for the major. How you sequence the remainder of the General Education program is up to you.
${ }^{3}$ The Physics BS requires 6 elective hours at the 300 level or above. Note: the offering of the following courses is once every 3 semesters: PHY 320 (Optics), PHY 410 (Electromagnetic Theory), PHY 405 (Classical Mechanics), PHY 420 (Modern Physics II); PHY 460 (Quantum Mechanics). This regular rotation of courses is fixed so that physics majors can plan in advance their schedules and graduate after completing 4 years at NKU.
${ }^{4}$ Assumes a minor in Mathematical Sciences (for students majoring in physical sciences). Only one course is needed beyond those required by the Physics program to obtain a minor in Mathematical Sciences. MAT 330/PHY 330 gives credit towards both the math minor and physics major.

