# REQUIREMENTS LISTED IN CATALOG MUST BE FULFILLED FOR GRADUATION 

 FIRST YEAR (FREDONIA)
(If transcript does not list Math as major, see Director to declare Math)

| THIRD YEAR (FREDONIA) ++ |  |  |  |  |  |  |
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| First Semester |  |  |  | Second Semester |  |  |
| MATH | 331 | Abstract Algebra I | 3 | MATH 420 | Advanced Calculus++ | 3 |
| MATH | 323 | Inter. Real Analysis | 3 | MATH ----- | Mathematics Electives + | 6 |
|  |  | Advised Elective | 3 |  | (MATH 351, 332, 325, 457) |  |
| PHYS | 321 | Engineering Statics | 3 | PHYS 322 | Mechanics of Solids+ |  |
| PHYS | 329 | Engineering Dynamics+ |  |  |  |  |
| STAT | 350 | Probability \& Statist. | $\underline{3}$ | MATH 405 | Senior Seminar |  |
|  |  |  | 18 |  |  | 14 |

## FOURTH AND FIFTH YEARS (AFFILIATED INSTITUTION) <br> Math Elective (as advised)

- Must complete the College Core Curriculum (CCC) either at Fredonia or engineering institution. Upper level is not required for 3-2 students. Also not required for 3-2: second social science course, second speaking intensive course, foreign language if earn 70 or better on Regent's Checkpoint $B$, and American History category if earn 85 or better on Regent's exam. See the current undergraduate Catalog for details regarding the CCC.
* For students transferring to Syracuse, additional CSIT courses are required.
$+\quad$ Students interested in electrical or computer engineering must take six hours of Circuit Analysis. Electrical, computer and chemical engineers may, in most cases, omit PHYS 322 and 329.
++ May substitute PHYS 425 for Advanced Calculus (offered in fall semesters)
PHYS 234, Modern Physics, is required at some institutions, particularly Columbia and UB Electrical Engineering (spring semester).

