

**UNIVERSITY OF SOUTHERN INDIANA
MATHEMATICS MAJOR – ACTUARIAL TRACK**

NAME: _____

ADVISOR: _____

ID #: _____

MINOR: _____

| | | <u>Sem/Yr</u> | <u>CrHr</u> | <u>Grade</u> | <u>Notes</u> |
|---|-------------------------|---------------|-------------|--------------|-----------------------------|
| <u>Required MATH Courses (30 semester hours)</u> | | | | | |
| MATH 230 | Calculus I | _____ | 4 | _____ | |
| MATH 330 | Calculus II | _____ | 4 | _____ | |
| MATH 335 | Calculus III | _____ | 4 | _____ | |
| MATH 253 | Princ. of Math. Logic | _____ | 3 | _____ | |
| MATH 412 | Abstract Algebra I | _____ | 3 | _____ | |
| MATH 413 | Linear Algebra | _____ | 3 | _____ | |
| MATH 438 | Theory of Probability | _____ | 3 | _____ | Prep for Actuarial Exam P/1 |
| MATH 441 | Mathematical Statistics | _____ | 3 | _____ | |
| MATH 492 | History of Mathematics | _____ | 3 | _____ | |

Required Courses For Actuarial Track (31 semester hours)

| | | | | | | |
|----------|-----------------------------|------------------------|-------|-------|---|--|
| MATH 241 | Principles of Statistics | _____ | 3 | _____ | Prereq. for FIN 305 | |
| ACCT 201 | Accounting Principles I | _____ | 3 | _____ | Prereq. for FIN 305 | |
| ACCT 202 | Accounting Principles II | _____ | 3 | _____ | Prereq. for FIN 305 | |
| ECON 208 | Microeconomics | _____ | 3 | _____ | for VEE credit in Economics | |
| ECON 209 | Macroeconomics | _____ | 3 | _____ | for VEE credit in Economics | |
| FIN 305 | Business Finance | _____ | 3 | _____ | for VEE credit in Corporate Finance | |
| FIN 461 | Financial Management | _____ | 3 | _____ | for VEE credit in Corporate Finance | |
| { | CS 201 | Object-Oriented Prog. | _____ | 3 | _____ | |
| | or | | | | | |
| | CS 288 | Microcomp.-Based Prog. | _____ | 3 | _____ | |
| MATH 375 | Interest Theory & Math Fin. | _____ | 4 | _____ | Prep for Actuarial Exam FM/2 | |
| MATH 475 | Regression & Time Series | _____ | 3 | _____ | for VEE credit in Applied Statistical Methods | |

Mathematics Electives (9 semester hours)

Select from: MATH 331, MATH 353, MATH 410, MATH 433, MATH 437, Math 436*, and other upper level electives approved by advisor.

MATH _____

MATH _____

MATH _____

*For students earning a minor in Statistics, Math 436 may not be used to satisfy one of the three math electives for the Actuarial Track.

Total: **70 Hours** **MAJOR GPA** _____