

DOUBLE MAJOR IN MATHEMATICS COURSE LISTINGS

| MATHEMATICS CURRICULUM | | Equivalent courses in Computer Engineering curriculum | Courses Computer Engineering students must take | Equivalent courses in Electrical and Electronics Engineering curriculum | Courses Electrical and Electronics Engineering students must take | Equivalent courses in Industrial Engineering curriculum | Courses Industrial Engineering students must take | Equivalent courses in Mechanical Engineering curriculum | Courses Mechanical Engineering students must take | Equivalent courses in Physics Curriculum | Courses Physics students must take |
|-------------------------------|----------------|--|--|--|--|--|--|--|--|---|---|
| | | | Total: 13 courses | | Total: 13 courses | | Total: 13 courses | | Total: 13 courses | | Total: 13 courses |
| FIRST YEAR | | | | | | | | | | | |
| Course code | Credits | | | | | | | | | | |
| ENG 101 | 3 | Common | | Common | | Common | | Common | | Common | |
| GE 100 | 1 | Common | | Common | | Common | | Common | | Common | |
| MATH 101 | 4 | Common | | Common | | Common | | Common | | Common | |
| MATH 123 | 4 | | MATH 123 | | MATH 123 | | MATH 123 | | MATH 123 | | MATH 123 |
| PHYS 101 | 4 | Common | | Common | | Common | | Common | | Common | |
| TURK 101 | 2 | Common | | Common | | Common | | Common | | Common | |
| | | | | | | | | | | | |
| ENG 102 | 3 | Common | | Common | | Common | | Common | | Common | |
| MATH 102 | 4 | Common | | Common | | Common | | Common | | Common | |
| MATH 124 | 4 | | MATH 124 | | MATH 124 | | MATH 124 | | MATH 124 | | MATH 124 |
| MBG 110 | 3 | Common | | EEE required course | | IE required course | | Common | | Common | |
| PHYS 102 | 4 | Common | | Common | | Common | | Common | | Common | |
| TURK 102 | 2 | Common | | Common | | Common | | Common | | Common | |
| | | | | | | | | | | | |
| SECOND YEAR | | | | | | | | | | | |
| CS 115 | 4 | CS 101 | | Common | | Common | | Common | | Common | |
| GE 250 | | Common | | Common | | Common | | Common | | Common | |
| HIST 200 | 4 | Common | | Common | | Common | | Common | | Common | |
| MATH 213 | 4 | | MATH 213 | | MATH 213 | | MATH 213 | | MATH 213 | | MATH 213 |
| MATH 223 | 3 | MATH 225 | | MATH 241 | | MATH 225 | | MATH 220 | | MATH 241 | |
| MATH 240 | 3 | | MATH 240 | MATH 242 | | | MATH 240 | Common | | MATH 242 | |
| | | | | | | | | | | | |
| GE 251 | 1 | Common | | Common | | Common | | Common | | Common | |
| MATH 210 | 3 | MATH 132 | | | MATH 132 | Common | | | MATH 132 | | MATH 132 |
| MATH 214 | 4 | | MATH 214 | | MATH 214 | | MATH 214 | | MATH 214 | | MATH 214 |
| MATH 224 | 3 | | MATH 224 | | MATH 224 | | MATH 224 | | MATH 224 | | MATH 224 |
| Elective | 3 | CS required course | | EEE required course | | IE required course | | ME required course | | PHYS required course | |
| Elective | 3 | CS required course | | EEE required course | | IE required course | | ME required course | | PHYS required course | |
| | | | | | | | | | | | |
| THIRD YEAR | | | | | | | | | | | |
| HUM 111 | 3 | Common | | Common | | Common | | Common | | Common | |
| MATH 202 | 3 | | MATH 202 | | MATH 202 | | MATH 202 | | MATH 202 | | MATH 202 |
| MATH 323 | 3 | | MATH 323 | | MATH 323 | | MATH 323 | | MATH 323 | | MATH 323 |
| MATH Elective | 3 | | MATH Elective | | MATH Elective | | MATH Elective | | MATH Elective | | MATH Elective |
| Elective | 3 | CS required course | | EEE required course | | IE required course | | ME required course | | PHYS required course | |
| Elective | 3 | CS required course | | EEE required course | | IE required course | | ME required course | | PHYS required course | |
| | | | | | | | | | | | |
| COMD 358 | 3 | ENG 401 | | ENG 401 | | ENG 401 | | ENG 401 | | Common | |
| HUM 112 | 3 | Common | | Common | | Common | | Common | | Common | |
| MATH 253 | 3 | | MATH 253 | | MATH 253 | | MATH 253 | | MATH 253 | | MATH 253 |
| MATH Elective | 3 | | MATH Elective | | MATH Elective | | MATH Elective | | MATH Elective | | MATH Elective |
| Elective | 3 | CS required course | | EEE required course | | IE required course | | ME required course | | PHYS required course | |
| Elective | 3 | CS required course | | EEE required course | | IE required course | | ME required course | | PHYS required course | |
| | | | | | | | | | | | |
| FOURTH YEAR | | | | | | | | | | | |
| MATH 399 | | CS 299 | | EEE 299 | | IE 299 | | ME 299 | | PHYS 291 | |
| MATH Elective | 3 | | MATH Elective | | MATH Elective | | MATH Elective | | MATH Elective | | MATH Elective |
| Elective | 3 | CS required course | | EEE required course | | IE required course | | ME required course | | PHYS required course | |
| Elective | 3 | CS required course | | EEE required course | | IE required course | | ME required course | | PHYS required course | |
| Project Elective | 3 | Project Elective | | Project Elective I | | Project Elective I | | Project Elective I | | PHYS 491 | |
| Soc. Sci. Core El. | 3 | Soc. Sci. Core El. | | Soc. Sci. Core El. | | Soc. Sci. Core El. | | Soc. Sci. Core El. | | Soc. Sci. Core El. | |
| | | | | | | | | | | | |
| MATH Elective | 3 | | MATH Elective | | MATH Elective | | MATH Elective | | MATH Elective | | MATH Elective |
| Arts Core Elective | 3 | Arts Core Elective | | Arts Core Elective | | Arts Core Elective | | Arts Core Elective | | Arts Core Elective | |
| Elective | 3 | CS required course | | EEE required course | | IE required course | | ME required course | | PHYS required course | |
| Elective | 3 | CS required course | | EEE required course | | IE required course | | ME required course | | PHYS required course | |
| Elective | 3 | CS required course | | EEE required course | | IE required course | | ME required course | | PHYS required course | |