|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  | NOYCE CURRICULUM (Start with Calculus II) |
|  |  |  |  |  |
|   | *COURSE NO.* | *COURSE NAME* | *MIN CH* | COMMENTS |
|   |  |  |  |   |
| **1 F** | INDV XXX | Truman Program | 1 |   |
| MATH 263 | Analytic Geometry and Calculus II | 5 |   |
| PHYS 145 | Physics Seminar | 2 |   |
| PHYS 195 | Physics with Calculus I | 5 |   |
| ENG 190 | Writing as Critical Thinking | 3 |   |
|   | Personal Well-Being | 2 |   |
|   |   | **18** |   |
|  |   |   |   |   |
| **1 S** | MATH 200 | Foundations of Mathematics | 3 |   |
| MATH 264 | Analytic Geometry and Calculus III | 3 |   |
| PHYS 275 | Vibrations & Waves | 3 |   |
| STAT 290 | Statistics | 3 |   |
| COMM 170 | Public Speaking | 3 |   |
|   |   | **15** |   |
|  |   |   |   |   |
| **2 F** | MATH 357 | Linear Algebra | 3 |   |
| PHYS 196 | Physics with Calculus II | 5 |   |
| ED 388 | Early Field Experiences | 1 |   |
| ED 389 | Foundations of Education | 3 | Writing Enhanced |
|   | Qualitative Mode Course | 3 |   |
|   |   | **15** |   |
|  |   |   |   |   |
| **2 S** | MATH 365 | Ordinary Differential Equations | 3 |   |
| PHYS 250 | Modern Physics I | 3 |   |
| PHYS 310 | Intermediate Physics Laboratory | 2 |   |
| CHEM 130 | Chemical Principles I | 4 |   |
|   | Missouri Statute | 1 |   |
|   | Foreign Language I | 3 |   |
|   |   | **16** |   |
|  |   |   |   |   |
| **3 F** | MATH 363 | College Geometry (elective I) | 3 |   |
| PHYS 251 | Modern Physics II | 3 |   |
| PHYS 382 | Mathematical Physics | 3 |   |
| ED 393 | Clinical Experiences in Education | 3 |   |
| ED 394 | Field Experiences with ED 393 | 1 |   |
|   | Foreign Language II | 3 |   |
|   |   | **16** |   |
|  |   |   |   |   |
| **3 S** | MATH 398 | Junior Seminar in Mathematics | 1 |   |
| PHYS 388 | Advanced Laboratory | 3 | Writing enhanced |
| PHYS 345 | Junior Seminar | 1 |   |
| PHYS 482 or 486 | Physics Elective I (E&M or Thermo) | 3 |   |
|   | Qualitative Mode Course | 3 |   |
| JINS | Junior Interdisciplinary Seminar | 3 | Writing enhanced |
|   | Foreign Language III | 3 |   |
|   |   | **17** |   |
|  |   |   |   |   |
| **4 F** | MATH 451 | Algebraic Structures I | 3 |   |
| MATH 455 or 456 | History of Math (Elective 2) | 3 | May exchange with Advanced Calculus |
| MATH 497 | Capstone Seminar in Mathematics | 1 |   |
|   | Physics Elective 2 | 3 |   |
| BIOL 107 | Introductory Biology I | 4 |   |
|   | Foreign Language IV | 3 |   |
|   |   | **17** |   |
|  |   |   |   |   |
| **4 S** | MATH 461 | Advanced Calculus | 3 | May exchange with History of Mathematics (offered in even numbered springs and falls only) |
| PHYS 445 | Physics Capstone | 1 |   |
| ED 593 | Psychological Foundations of Education | 3 |   |
|   | Qualitative Mode Course | 3 |   |
| CS 170 or 180 | (A computer science course) | 3 |   |
|   | Elective | 3 |   |
|   |   | **16** |   |
|  |   |   |  |   |
| Don't forget Intercultural |  |  |
|  |  |  |  |  |
|   |   |   |   |   |
| **SU** | ED 601 | Measurement and Evaluation | 3 | May exchange with ED 603 or MATH 503G |
| ED 605 | Psych of the Exceptional Child | 3 | May exchange with ED 603 or MATH 503G |
|   |   | **6** |   |
|   |   |   |   |   |
| **5 F** | STEM 608 | Management of Instruction | 3 |   |
| PHYS 580G | Quantum Mechanics | 3 | May exchange with PHYS 518G, Advanced Topics (spring) |
| ED 603 | Content Area Literacy | 3 |   |
|   |   | **9** |   |
|  | MATH 502G | Topic in Math Ed: Technology | 3 |   |
| **5S** | NASC 501G | Philosophy of Science | 3 |   |
| MATH 515G | Complex Variables | 3 | May exchange with MATH 564G, Advance Linear Algebra (fall); MATH 503G (summer), Topics in Mathematics (even summers); or STAT 570G, Mathematical Probability and Statistics (fall) |
|   |   | **9** |   |
|   |   |   |   |   |
| **6 F** | ED 609 | Internship | 8 |   |
|   |   | **8** |   |
|   |   |   |   |   |
| **6 S** | ED 609 | Internship | 8 |   |
| ED 632 | Applied Ed Psych and Research | 3 |   |
|   |   | **11** |   |