|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  | NOYCE CURRICULUM (Start with Calculus I) |
|  |  |  |  |  |
|  | *COURSE NO.* | *COURSE NAME* | *MIN CH* | COMMENTS |
|  |  |  |  |  |
| **1 F** | INDV XXX | Truman Program | 1 |  |
|  | MATH 198 | Analytic Geometry and Calculus I | 5 |  |
|  | PHYS 145 | Physics Seminar | 2 |  |
|  | ENG 190 | Writing as Critical Thinking | 3 |  |
|  | CHEM 130 | Chemical Principles I | 4 |  |
|  |  | Personal Well-Being | 2 |  |
|  |  |  | **17** |  |
|  |  |  |  |  |
| **1 S** | MATH 263 | Analytic Geometry and Calculus II | 5 |  |
|  | PHYS 195 | Physics with Calculus I | 5 |  |
|  | COMM 170 | Public Speaking | 3 |  |
|  | ED 388 | Early Field Experiences | 1 |  |
|  |  | Qualitative Mode Course | 3 |  |
|  |  |  | **17** |  |
|  |  |  |  |  |
| **2 F** | MATH 264 | Analytic Geometry and Calculus III | 3 |  |
|  | MATH 200 | Foundations of Mathematics | 3 |  |
|  | PHYS 196 | Physics with Calculus II | 5 |  |
|  | STAT 290 | Statistics | 3 |  |
|  | ED 389 | Foundations of Education | 3 | Writing Enhanced |
|  |  |  | **17** |  |
|  |  |  |  |  |
| **2 S** | MATH 357 | Linear Algebra | 3 |  |
|  | PHYS 275 | Vibrations & Waves | 3 |  |
|  | PHYS 250 | Modern Physics I | 3 |  |
|  | PHYS 310 | Intermediate Physics Laboratory | 2 |  |
|  |  | Qualitative Mode Course | 3 |  |
|  |  | Foreign Language I | 3 |  |
|  |  |  | **17** |  |
|  |  |  |  |  |
| **3F** | MATH 365 | Ordinary Differential Equations | 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** | PHYS 388 | Advanced Laboratory | 3 | Writing enhanced |
|  | PHYS 345 | Junior Seminar | 1 |  |
|  | PHYS 482 or 486 | Physics Elective I (E&M or Thermo) | 3 |  |
|  |  | Missouri Statute | 1 |  |
|  | JINS | Junior Interdisciplinary Seminar | 3 | Writing enhanced |
|  |  | Foreign Language III | 3 |  |
|  | MATH 398 | Junior Seminar in Mathematics | 1 |  |
|  |  |  | **15** |  |
|  |  |  |  |  |
| **4 F** | MATH 455 or 456 | History of Math (Elective 2) | 3 | May exchange with Advanced Calculus |
|  | MATH 497 | Capstone Seminar in Mathematics | 1 |  |
|  | MATH 363 | College Geometry (elective I) | 3 |  |
|  |  | Physics Elective 2 | 3 |  |
|  | BIOL 107 | Introductory Biology I | 4 |  |
|  |  | Foreign Language IV | 3 |  |
|  |  |  | **17** |  |
|  |  |  |  |  |
| **4 S** | MATH 451 | Algebraic Structures I | 3 |  |
|  | 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 |  |
|  | CS 170 or 180 | (A computer science course) | 3 |  |
|  |  | Qualitative Mode Course | 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** |  |
| **5S** | MATH 502G | Topic in Math Ed: Technology | 3 |  |
|  | 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** |  |