Rules for Mathematics and Science Electives

Math/Science Electives (17 Hours)

1. One of the following 2-semester sequences must be included:
   - BIO 198 and 401 (9 Hours)
   - CHM 210 and 230 (8 Hours)
   - PHYS 213 and 214 (10 Hours)
   - PHYS 223 and 224 (10 Hours)

2. One of the following mathematics courses must be included:
   - MATH 222 Analytic Geometry and Calculus III (4)
   - MATH 340 Elementary Differential Equations (4)
   - MATH 506 Introduction to Number Theory (3)
   - MATH 511 Introduction to Algebraic Systems (3)
   - MATH 512 Introduction to Modern Algebra (3)
   - MATH 514 Introduction to Linear Algebra (3)
   - MATH 551 Applied Matrix Theory (3)
   - MATH 572 Foundations of Geometry (3)
   - MATH 633 Advanced Calculus I (3)
   - PHYS 113 General Physics (4)
   - PHYS 213 Engineering Physics I (5)
   - PHYS 223 Physics I, Mechanics, & Thermodynamics (5)
   - PHYS 114 General Physics II (4)
   - PHYS 214 Engineering Physics II (5)
   - PHYS 224 Physics II, Electromagnetism, and Sound (5)
   - PHYS 325 Physics III, Relativity, and Quantum Physics (4)
   - STAT 511 Introductory Probability and Statistics II (3)

4. All remaining hours, choose from the following:
   - BIOCH 625 Introductory Organic & Biochemistry (5)
   - BIOCH 521 General Biochemistry (3)
   - BIOL 198 Principles of Biology (4)
   - BIOL 201 Organismic Biology (5)
   - BIOL 450 Modern Genetics (4)
   - BIOL 455 General Microbiology (4)
   - CHM 210 Chemistry I (4)
   - CHM 230 Chemistry II (4)
   - CHM 350 General Organic Chemistry (3)
   - CHM 531 Organic Chemistry I (3)
   - CHM 371 Chemical Analysis (4)
   - CHM 550 Organic Chemistry II (3)
   - GEOL 100 Earth in Action (3)
   - GEOL 102 Earth in Time (3)
   - GEOL 103 Geology Laboratory (1)
   - GEOL 502 Mineralogy (3)

5. MATH 222 Analytic Geometry and Calculus III (4)
   - MATH 340 Elementary Differential Equations (4)
   - MATH 506 Introduction to Number Theory (3)
   - MATH 511 Introduction to Algebraic Systems (3)
   - MATH 512 Introduction to Modern Algebra (3)
   - MATH 514 Introduction to Linear Algebra (3)
   - MATH 551 Applied Matrix Theory (3)
   - MATH 572 Foundations of Geometry (3)
   - MATH 633 Advanced Calculus I (3)
   - PHYS 113 General Physics (4)
   - PHYS 213 Engineering Physics I (5)
   - PHYS 223 Physics I, Mechanics, & Thermodynamics (5)
   - PHYS 114 General Physics II (4)
   - PHYS 214 Engineering Physics II (5)
   - PHYS 224 Physics II, Electromagnetism, and Sound (5)
   - PHYS 325 Physics III, Relativity, and Quantum Physics (4)
   - STAT 511 Introductory Probability and Statistics II (3)

Entrepreneurship Tech Electives

Required Electives: 3 Hours
* Either CIS 520 Operating Systems I or CIS 625 Parallel Programming (3)

Required Entrepreneurship Courses: 6 Hours
- ENTRP 340 Introduction to Entrepreneurship (3)
- ENTRP 350 Technology and Innovation Management (3) to be taken in the semester immediately following 598

Additional coursework from: 9 Hours
- ENTRP 466 Digital Business (3)
- ENTRP 520 Social Entrepreneurship (3)
- ENTRP 540 Entrepreneurial Consulting (3)
- ENTRP 497 Topics in Entrepreneurship (1-3)
- MANGT 390 Business Law (3)
- MANGT 520 Organizational Behavior (3)
- MANGT 531 Human Resources Management (3)
- FINAN 561 Finance for Entrepreneurs (3)

Communications Elective Choices

Humanities/Social Science Electives

Options:
- COMM 322 Interpersonal Communications (3)
- COMM 326 Small Group Discussion Methods (3)
- MANGT 420 Principles of Management (3)
- THTR 261 Fundamentals of Acting (3)
- THTR 265 Fundamentals of Improvisation (3)

Required Electives: 3 Hours
* Either CIS 520 Operating Systems I or CIS 625 Parallel Programming (3)

Required Entrepreneurship Courses: 6 Hours
- ENTRP 340 Introduction to Entrepreneurship (3)
- ENTRP 350 Technology and Innovation Management (3) to be taken in the semester immediately following 598

Additional coursework from: 9 Hours
- ENTRP 466 Digital Business (3)
- ENTRP 520 Social Entrepreneurship (3)
- ENTRP 540 Entrepreneurial Consulting (3)
- ENTRP 497 Topics in Entrepreneurship (1-3)
- MANGT 390 Business Law (3)
- MANGT 520 Organizational Behavior (3)
- MANGT 531 Human Resources Management (3)
- FINAN 561 Finance for Entrepreneurs (3)

Suggestions:
- ARCH 301 Appreciation of Architecture (3)
- COMM 323 Nonverbal Communication (3)
- ENGL 270 American Literature (3)
- GWSS 550 Gender in American Film (3)
- GWSS 550 Women and Popular Culture (3)
- MUSIC 170 History of Rock and Roll (3)