# Rules for Mathematics and Science Electives

## Math/Science Electives (17 Hours)

1. **One of the following 2-semester sequences must be included:**
   - BIOL 198 and 201 (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 515 Introduction to Linear Algebra (3)
   - MATH 551 Advanced Calculus I (3)
   - STAT 511 Introductory Probability and Statistics II (3)

3. **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)

## Humanities/Social Science Electives + K-State 8

### Communications Elective Choices

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

### Suggestions:

- AMETH 160 Intro. to American Ethnic Studies (3)
- AMETH 461 Trans-formative Thought (3)
- COMM 420 Gender Communication (3)
- GEOG 310 Geography of Kansas (3)
- GWSS 105 Intro. to Gender, Women, and Sexuality Studies (3)
- LEAD 212 Intro. to Leadership Concepts (3)
- MUSIC 420 History of Jazz (3)
- SOCIO 211 Intro. to Sociology (3)
- THTRE 665 Drama Therapy with Special Populations (3)

### Suggestions:

- ARCH 301 Appreciation of Architecture (3)
- COMM 323 Nonverbal Communication (3)
- ENGL 270 American Literature (3)
- GWSS350 Gender in American Film (3)
- GWSS 550 Women and Popular Culture (3)
- MUSIC 170 History of Rock and Roll (3)

### Suggestions:

- AMETH 160 Intro. to American Ethnic Studies (3)
- ARCH 301 Appreciation of Architecture (3)
- GEOG 310 Geography of Kansas (3)
- HIST 151 History in the U.S. to 1877 (3)
- HIST 152 History in the U.S. since 1877 (3)
- POLSCI 115 U.S. Politics (3)
- THTRE 270 Intro. to Theatre (3)