Sequence Chart for NMT Mathematics (B.S. in Mathematics Degree)

Effective Spring 2016 (total 120 Hrs)

**Pre-requisite Co-requisite**
- Offered Each Semester
- Offered in Fall(F) or Spring(S) only

**Semester 1**
- 15 hrs
  - Chem121&Lab Chemistry I 4Hrs
  - Math131&Lab Calculus I 4Hrs
  - Sci/Engr electives 4Hrs
  - Engl 111 College Engl. 3Hrs

**Semester 2**
- 15 hrs
  - Chem122&Lab Chemistry II 4Hrs
  - Math132 Calculus II 4Hrs
  - Sci/Engr electives 4Hrs
  - Engl 112 College Engl. 3Hrs

**Semester 3**
- 15 hrs
  - Phys121&Lab Physics 5Hrs
  - Math231 Calculus III 4Hrs
  - Math 254 Intro Lin Alg 3Hrs
  - Humanities 3Hrs
  - Electives if needed 1Hrs

**Semester 4**
- 15+ hrs
  - Phys122&Lab Physics II 5Hrs
  - Math 335 Dif Eqns 3Hrs
  - Math 254 Basic Concepts 3Hrs
  - Electives if needed 1Hrs

**Semester 5**
- 15 hrs
  - Math 382&Lab Prob&Stat 4Hrs
  - Math 336 Part Dif Eq 3Hrs (F only!)
  - Math 372 Basic Analysis 3Hrs (F only!)
  - Social Science 3Hrs
  - Electives* 3Hrs

**Semester 6**
- 15 hrs
  - Math 454 Lin Algebra 3Hrs (S only!)
  - Math Elective 3Hrs
  - Math Elective 3Hrs
  - Humanities 3Hrs
  - Humanities or Social Science 3Hrs
  - Electives* 3Hrs

**Semester 7**
- 15 hrs
  - Math 430 Math Modeling 3Hrs (F only!)
  - Math Elective 3Hrs
  - Math Elective 3Hrs
  - Humanities or Social Science 3Hrs
  - Electives* 3Hrs

**Semester 8**
- 15 hrs
  - Math Elective 3Hrs
  - Math Elective 3Hrs
  - Humanities or Social Science 3Hrs
  - Electives* 6Hrs

*Choice of electives must include an approved 18-hour sequence of electives outside mathematics. It is strongly recommended that electives choices include upper level science or engineering courses. Electives outside mathematics requirement may overlap with non-mathematics general degree requirements.

**Engl 341** can’t be taken until a student has junior standing (more than 60 hrs).