Math Science and Engineering Courses Flow chart for Engineering majors

**Yellow boxes: Required courses**

- CHEM1211 & 1211L (Chemistry-1)
- MATH1111 (College Algebra) if Needed and MATH1113 (Precalculus)
- PHYS2211 + 2211L (Physics-1)
- PHYS2212 + 2211L (Physics-2)
- MATH2431 (Calculus 1)
- MATH2432 (Calculus 2)
- ENGR1608 (Engineering Graphics & Design)
- ENGR1011 (Introduction to AutoCAD) or Prior AutoCAD Experience (Determined by Instructor)

**Computer Science Elective**

- CSCI1301 (CSCI1300 is required)

**Engineering Elective/s**

- ENGR1671 (Computing for Engineers)
- ENGR2606 (Dynamics)

**MATH Elective/s**

- MATH2641 (Linear Algebra)
- MATH2633, MATH2652 (Differential Equations)

**Tan: Pre-core collegiate level courses**

- ENGR 1603 (Introduction to Engineering)
- ENGR2605 (Statics)
- ENGR2606 (Statics)