



Program Timeline and Checklist

Name _____ Class of _____

Engineering Focus

Biomedical Focus

Science Courses

Five course minimum, including the foundational courses of Biology and Chemistry. Of the five, four have to be Honors or AP courses. AP Physics I is required for the Engineering Strand. At least 2.0 credits of AP Science are required.

	Name of Course	
1.		Honors Biology or Biology
2.		Honors Chemistry or Chemistry
3.		Honors or AP Elective
4.		Honors or AP Elective
5.		Engineering - Honors or Molecular Genetics - Honors
6.		

Total Science Courses _____ Total Honors/AP Science Courses _____

Math Courses

Four course minimum, including Honors Algebra 2 and Honors Pre-Calculus. One AP Math course (AP Calculus recommended for those planning on an Engineering major).

	Name of Course	
1.		Honors Geometry
2.		Honors Algebra 2
3.		Honors Pre-Calculus
4.		AP Elective
5.		

Total Math Courses _____ Total Honors/AP Math Courses _____

Total Math and Science Courses (Minimum of 10) _____

(12th Grade) Counselor Signature _____ GPA _____

One Collaborative Experience

- Engineering - Honors**
- Molecular Genetics - Honors**
- Science or Engineering Fair Competition**
 - **Name of Competition** _____
 - **Completion Date** _____

One Research/Internship Experience

Students can be involved with scientific/technology/mathematical research with professors at UNLV, UNR, or other collegiate research programs (see faithlutheranlv.org/STEM). A wide variety of internships are also available with local engineering and medical firms. This experience is usually completed prior to 12th grade.

- Resume complete and turned in (11th grade)
- Internship Proposal approved (11th grade)
- Documentation of Internship Hours Completed
- Internship Verification Completed
- Presentation of Internship Completed

Student Signature _____ **Date** _____

STEM Coordinator Signature _____