

Scotland High School of Engineering
Industrial Engineering Program
 2 & 4-Year College Preparation Program

Freshman Year

Fall Semester

Course Name	Units
English I	1
World History	1
Earth/Environmental Science	1
Algebra I	1

Spring Semester

Course Name	Units
Health & PE	1
Technology-Engineering Design	1
Algebra II; or Tech Math I	1
Elective	1

Sophomore Year

Fall Semester

Course Name	Units
English II	1
Civics & Economics	1
Geometry; or Tech Math II	1
Spanish I	1

Spring Semester

Course Name	Units
Physical Science	1
Industrial Engineering I	1
Spanish II	1
Health & PE	1

***Job Shadowing opportunities available**

Junior Year

Fall Semester

Course Name	Units
English III	1
Industrial Engineering II	1
Spanish III (Honors)	1
US History	1

Spring Semester

Course Name	Units
Chemistry	1
Industrial Engineering II (cont'd)	1
HYD 110 Hydraulics/Pneumatics	1
Elective	1

***Mentorship opportunities available**

Senior Year

Fall Semester

Course Name	Units
English IV	1
ELC 117 Motors and Controls	1
Criminal Justice	1
Elective	1

Spring Semester

Course Name	Units
Biology	1
ELC 131DC/AC Circuit Analysis	1
College Level Course	1
Advanced Studies	1

***Apprenticeship and Co-operative learning opportunities available**

Total Hours Required for Graduation= 28

Additional Graduation requirements for the Scotland High School of Engineering:

Students must score at Proficiency Level III on Algebra I, Biology, English 9, Civics, and US History End of Course Exams and successful completion of a Senior Project (First time 9th graders of 2006-2007)

Please schedule an appointment with our Guidance Counselor, Mrs. Stubbs, regarding any decision pertaining to requirements for individual student's post-secondary plans.

4 credits in Mathematics are required for the 16 institutions of the UNC University system

-Dual enrollment and Articulation agreements with RCC are available and require at least a "B" in the course; meeting the required score on the RCC admissions' test, and the student must enroll in the articulated program at RCC.

General College transfer courses are also available through RCC; St. Andrews College, and UNC-Pembroke as applicable.

Specific student scheduling may be superceded by Federal Guidelines and Statutes where applicable.