

Carolina Academy - A New Tech High School

Engineering Pathway

Certified Project Lead the Way Program, www.pltw.org

Course of Studies for Magnet Distinction Award



9th

Digital Literacy (English 1 & Computer Apps)
Quantitative Thinking (Physical Science & Algebra)
World Bio (Biology & World Geography)

Introduction to Engineering Design

plus 1 more class:

PE or ROTC

Foreign Language or Fine Arts*

10th

Humanities (English 2 & World History)
Animania (Geometry & Animation)
Scientific Modeling (Algebra 2 & Chemistry)

Principles of Engineering

plus 1 more class:

PE or ROTC

Foreign Language or Fine Arts*

11th

American Studies (English 3 & US History)
Everyday Mechanics (Pre-Calculus & Physics)
Foreign Language

Digital Electronics

plus 2 more classes

12th

English 4
Power, Money, & the American Dream (Govt./Econ.)

Computer Integrated Manufacturing Engineering Design and Development***

Foreign Language

plus 3 more classes

OR 11th & 12th

Upon approval, students may enroll at Donaldson or Enoree in an engineering-related program. An independent senior project still must be completed for Magnet Distinction. Pass/Fail recognition is earned on research paper, portfolio and presentation. Topics are due by end of junior year. Projects to be completed by end of 1st semester of senior year.

*Students must take ***one fine arts unit*** and ***3 or more of the same Foreign Language units*** for Magnet Distinction Award. Students are also encouraged to take full advantage of AP course offerings during elective course openings.

Students must complete a ***senior project for Magnet Distinction Award.

Course offerings/sequence are subject to change, based on SDE graduation or other requirements. Courses are offered at the CP - College Prep, H - Honors, and AP - Advanced Placement levels.

For more information, please contact:
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