

Red Bank High School

Institute of Engineering and Computer Science

Institute Name: Institute of Engineering and Computer Science

Pathways:

- Information Technology ⇒ Coding
- STEM ⇒ Engineering

Future Ready Institutes Highlights:

- ★ Small Learning Communities - Students will be a member of a smaller learning community, or “school within a school” containing students all with similar career interests.
- ★ Engaging Learning Opportunities - Students will be engaged in project based learning opportunities, hands on learning as well as instruction with real world connections around the career theme.
- ★ Business and Community Partnerships - Institutes will be connected to local business and community partners. These partnerships will allow for opportunities for students to learn from successful career professionals.
- ★ Post-Secondary Jumpstart - The institute will allow for students to obtain dual credit and dual enrollment opportunities. Also, students will have the opportunity to earn work ready credentials to give them an advantage for life after high school.

Sample Student Schedule

(* Cohort Courses)

Freshman Year

- Math (full year Alg. 1 or Geometry)
- English 9 (Honors)*
- Physical World Concepts*
- Computer Science foundations or Principles of Engineering and Tech*
- Fine Art or Band
- Wellness or JROTC
- World History
- Technology Exploration*

Sophomore Year

- Math(Geometry or year Alg.2)
- English 10 (Honors)*
- Biology (AP)*
- Coding 1 or Engineering Design 1*
- Social Science
- Spanish 1
- Personal Finance/ PE
- Choice Elective
- Technology of the Future*

Junior Year

- Math(year Alg. 2 or Math 4)
- Physics*
- Engineering Design 2 or Coding 2*
- English 11
- Spanish 2
- U.S. History
- Choice Elective or Custom Course
- Mobile App Development or Applied Technology*

Senior Year

- Bridge Math or Math 4/Math 5
- Chemistry or Enviro Science (AP)
- Computer Science Principles(AP)
- English 12(AP)
- Economics and Government
- Work-Based Learning and/or CTE Practicum*
- Choice Elective or Custom Course and/or Dual Enrollment Courses*

Contact Us

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