

Science, Math, & Technology

Academy Courses By Strand

	Computer Maintenance, Repair and Networking	Computer Programming	Engineering Technology	College-Bound Engineering
10 th (1 elective)	Microcomputer Technologies/ Cisco 1+ (single or double period)	Computer Programming 1	Pre-Engineering	Algebra II AND Biology OR Physics (if Biology completed) AND Pre-Engineering
11 th (2 electives)	Network Engineering & Management /Cisco 2+ (single or double period) Pre-Engineering Communication Systems Technology Accounting Software Apps by Design Web Site Design Entrepreneurship	AP Computer Programming 2 Software Apps by Design Advanced Software Apps by Design Web Site Design AP Calculus AB AP Calculus BC	Communication Systems Technology AND Technological Innovations Microcomputer Technologies/Cisco 1 Network Engineering & Management Accounting Software Apps by Design Web Site Design Entrepreneurship	Pre-Calculus Thermodynamics Honors Chemistry Quantum Physics Software Apps by Design Advanced Software Apps by Design Web Site Design Computer Programming
12 th (3 electives)	Same as 11 th grade AND Computer Maintenance and Repair Internship	AP Computer Programming 3 Same as 11 th grade AND Discrete Mathematics Robotics Internship OR College Course	Same as 11 th grade AND Engineering Technology Internship	AP Physics AND Calculus (if not taken in 11th grade) AND Internship OR Research Methods OR Architecture or CAD at Edison OR College Course

-Students need to successfully complete 3 credits to earn an Academy certificate.

-Bold = required courses for a specific strand

-Strands with heavy outline are Program Completers identified by the Career and Technology Education Program.

Science, Math, & Technology Academy Courses By Strand (cont'd)

	Skilled Trades	Medicine	Forensic Science	Environmental Science
10 th (1 elective)	Pre-Engineering	Biology AND Chemistry (Honors preferred)	Biology OR Chemistry (Honors preferred)	Biology OR Chemistry (Honors preferred)
11 th (2 electives)	Edison Trades Program Technological Innovations Entrepreneurship	Anatomy & Physiology AND Cellular Physiology AND Genetics OR AP Biology Biological Chemistry Cellular Physiology AP Environmental Science Marine Biology Origins of Science	Biology OR Chemistry AND Forensics Biological Chemistry Cellular Physiology Marine Biology Origins of Science	Biology OR Chemistry AND Earth Science, Horticulture or Marine Biology
12 th (3 electives)	Edison Trades Program National Labor College Course and Advisory for building trades candidates	AP Biology OR AP Chemistry OR AP Physics AND Research Methods for Science Inquiry OR Internship OR College Course	Biological Chemistry AND Anatomy & Physiology OR AP Biology OR AP Chemistry AND Research Methods for Science Inquiry OR Internship OR College Course	AP Environmental Science AND Internship OR Research Methods OR College Course

-Students need to successfully complete 3 credits to earn an Academy certificate.

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