Which classes should I take to satisfy general education requirements for a college degree?

This document is a general guide that may be used to advise high school students about their education plan to maximize earned college credit through dual enrollment, concurrent enrollment, and/or prior learning assessment.

* **Dual Enrollment** = college courses offered on the high school campus during the regular high school day
* **Concurrent Enrollment** = college courses offered on the high school campus, college campus, or online and taught outside of the regular high school day
* **Prior Learning Assessment** = college credit awarded for successful completion of nationally recognized exams (e.g. Advanced Placement (AP) or International Baccalaureate (IB)) or industry recognized, work-based certificates (e.g. CompTIA+)

In general, pivotal decisions should be made relative to math, science, and career and technical education. Most degrees require English Composition 1 and 2 and at least three credits that are related to social and behavioral science.

| All students seeking a college degree will benefit from earning 3-6 credits in English Composition. |
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| All students seeking a college degree will benefit from earning 3 credits in a social and behavioral area (e.g. American History, World History, Government). |
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| **Select One** | **College Interest** | **Career Interest** | **Math Goal** | **Science Goal** |
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|  | I am an advanced math student. I would like to earn a college degree in science, computer science, engineering, or math. | The types of careers that I am interested in include:   * teaching science, math, or psychology at a college or university * engineering such as civil, mechanical, and aerospace * medical such as dentist, physician, or psychiatrist * computer network architect, computer programming, and information security analyst | Calculus  *Students that earned less than a B or a C in Advanced Algebra II may benefit from enrollment into Precalculus before Calculus.* | Biology for Majors  General Chemistry  General Physics |
|  | I am a traditional math student. I would like to earn a college degree, but I’m not sure about my college and career plan. | I’m not sure about my career interest. | College Algebra | Foundational Biology  Foundational Chemistry  Foundational Physics  Biology for Majors  General Chemistry  General Physics |
|  | I am an advanced math student, and I would like to earn a business degree. | The types of careers that I am interested in include:   * accounting * business ownership or entrepreneurship * business operations management | Brief Calculus  *Students that earned less than a B or a C in Advanced Algebra II may benefit from enrollment into Precalculus before Brief Calculus.* | Foundational Biology  Foundational Chemistry  Foundational Physics |
|  | I am a traditional math student, and I would like to earn a business degree. | The types of careers that I am interested in include:   * accounting * business ownership or entrepreneurship * business operations management | College Algebra | Foundational Biology  Foundational Chemistry  Foundational Physics |
|  | I am an advanced math student. I do not want to earn a degree in science, computer science, engineering, math, or business. | The types of careers that I am interested in include:   * early childhood or elementary school teaching * computer network and user support * manufacturing and/or construction * medical assistant or technician * nursing * lawyer | College Algebra | Foundational Biology  Foundational Chemistry  Foundational Physics |
|  | I am a traditional math student. I do not want to earn a degree in science, computer science, engineering, math, or business. | The types of careers that I am interested in include:   * early childhood or elementary school teaching * computer network and user support * manufacturing and/or construction * medical assistant or technician * nursing * lawyer | College Mathematics  *This is usually a fourth-year math course that students complete after satisfying high school graduation requirements: Algebra I, Geometry, and Algebra II* | Foundational Biology  Foundational Chemistry  Foundational Physics |
|  | I am a traditional math student, and I want to earn a degree in a career or technical education program. | The types of careers that I am interested in include:   * automated industrial technology (robotics) * automotive service * welding * advanced manufacturing * fire science * veterinary technology * construction | College Mathematics  *This is usually a fourth-year math course that students complete after satisfying high school graduation requirements: Algebra I, Geometry, and Algebra II* | Foundational Biology  Foundational Chemistry  Foundational Physics |