

Go to <https://bigfuture.collegeboard.org/> to begin your college and career exploration!

The screenshot shows the homepage of bigfuture by The College Board. At the top, there is a navigation bar with links for College Planning, YouCanGo!, SAT, AP, PSAT/NMSQT, CLEP, For Educators, and More. The CollegeBoard logo is on the right. Below the navigation bar, there is a search bar with the text "Find Colleges, Advice and More" and a "Search" button. To the left of the search bar are social media sharing options: "ShareThis", "Like" (with 5.7k likes), and "Sign up | Sign in".

The main content area features a large image of a smiling woman, Monica, with a "Meet Monica" button. To her right is a large green circle containing the text: "It's okay to change your plans even if it means changing your major." Below this text is a video player with a "Watch" button and a play icon. To the right of the green circle is a pink circle with the text: "Not sure where to start? Go >". Below the pink circle is a blue circle with the text: "Explore college majors."

At the bottom of the page, there are three interactive tool cards:

- find colleges**: A card with a search bar containing "Look up a college by name" and a "Go" button. Below it, it says "OR" and "Search by location, major — any way you'd like." with a "Search" button.
- pay for college**: A card with the text "How much federal financial aid is out there to help students pay for college? Take a guess." Below this is a progress bar showing a blue shield icon and the text "\$1 billion". A "Get the Facts" button is at the bottom.
- make a plan**: A card with the text "Get a free step-by-step college plan. Just answer a few simple questions." Below this is a question "What grade are you in?" with radio button options: "8th or lower", "9th", "10th", "11th", "12th", and "H.S. grad".

Visit the *College Search* page to learn about thousands of different colleges & universities across the country. Use the gray filters on the left side of the page to narrow down your search results and find a school that is a perfect match just for you!



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[Make a Plan](#) ▾

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College Search

[Save Selections](#) [Clear All Selections](#)

SELECT FILTERS

Test Scores & Selectivity

Type of School

Location

Campus & Housing

Majors & Learning Environment

Sports & Activities

Academic Credit

Paying

Support Services

Diversity

You have
3,899 college
options. Choose a
category on the
left to find the
right ones for you.
We'll help along
the way.

Not sure where to start?
Go to [College Search Step-by-Step](#), an interactive guide.

Not sure where to start? Go to the *Explore Careers* tab at the top and click *Major and Career Search*. Search through the categories to find majors and careers that interest you.

College Planning | YouCanGo! | SAT | AP | PSAT/NMSQT | CLEP | For Educators | More ▾ | CollegeBoard

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[Home](#) / [Explore Careers](#) / Major and Career Search

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Major and Career Search

Browse major and career profiles using the categories below, or use the tools on the right to search by keyword or interest.

MAJOR CATEGORIES

- + Arts and Humanities
- + Business
- Health and Medicine
 - ▶ Health Professions and Related Clinical Sciences
- + Multi-/Interdisciplinary Studies
- + Public and Social Services
- + Science, Math, and Technology
- + Social Sciences
- + Trades and Personal Services

CAREER CATEGORIES

- + Arts, Entertainment, and Sports
- + Business
- + Health and Medicine
- + Media and Social Sciences
- Public and Social Services
 - ▶ Community and Social Services
 - ▶ Education, Museum Work, and Library Science
 - ▶ Law and Government
 - ▶ Protective Services
- + Science, Math, and Technology
- + Trades and Personal Services

THE REDESIGNED SAT

Spring 2016 is right around the corner.

[Find out what you need to do to prepare.](#)

Want to explore career options?

While you are exploring college majors, check out the box called *Helpful High School Courses*. This can help you choose what classes to take throughout high school.

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College Planning YouCanGo! SAT AP PSAT/NMSQT CLEP For Educators More CollegeBoard

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Get Started Find Colleges Explore Careers Pay for College Get In

Make a Plan

Major Profile / Science, Math, and Technology / Engineering / Computer Engineering / Computer Engineering, General

ShareThis Like 0

Major: Computer Engineering, General

Some of us drive cars with little knowledge of how they work. Others wouldn't dream of driving a car without understanding exactly how it's powered, how it gets them from point A to point B, and how to fix it when it breaks down.

Computer engineering students have the same philosophy about computers. They want to know how computers work -- and what they can do to make them smarter, faster, and more efficient.

Through the study of mathematics, physics, and computer science, computer engineering majors learn to analyze, design, and develop computer hardware and software.

Did You Know?

The world's first electronic computer, created in 1946, weighed thirty tons.

Are You Ready To...?

- Join a professor's research team
- Intern off campus
- Take courses in electricity, circuitry, and electronic materials early on to prepare for engineering courses
- Spend lots of time solving tough math problems

It Helps To Be...

A problem solver and a team player who is able to work independently. You'll spend hours solving problems on your own and as part of a team. Both are good preparation for the working world where someday you may design computers far superior to the Earth Simulator.

College Checklist

- Is the program accredited by the Accreditation Board for Engineering and Technology?
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Which colleges offer a major in Computer Engineering, General?

Find out now

DEGREE TYPE

This major is offered at the associate's and at the bachelor's level.

HELPFUL HIGH SCHOOL COURSES

- AP Calculus BC
- Electronics
- Chemistry
- AP Computer Science A
- AP Physics C