INTEREST PROFILER

NC COMMUNITY COLLEGES | BioNetwork

Read the work tasks carefully and decide how you would feel about doing each type of work. Try not to think about whether you have enough education or training to do the work, or how much money you would make doing the work.

Just think about whether you would like or dislike performing the work task.

If you think you would like the work task, mark the "Like" box.

WORK TASK	LIKE
Build kitchen cabinets	
Lay brick or tile	
Develop a new medicine	
Study ways to reduce water pollution	
Write books or plays	
Play a musical instrument	
Teach an individual an exercise routine	
Help people with personal or emotional problems	
Buy and sell stocks and bonds	
Manage a retail store	
Organize information using spreadsheet software	
Proofread records or forms	
Repair household appliances	
Raise fish in a fish hatchery	
Conduct chemical experiments	
Study the movement of planets	
Compose or arrange music	
Create graphics for a website	
Give career guidance to others	
Perform rehabilitation therapy	
Operate a beauty salon or barber shop	
Manage a department within a large company	
Manage software and servers on a large network	
Perform mathematical calculations	
Assemble electronic parts	
Drive a truck to deliver packages to offices and homes	
Examine blood samples using a microscope	
Investigate the cause of a fire	
Create special effects for movies	
Design social media content	

WORK TASK	LIKE
Do volunteer work at a non-profit organization	
Teach children how to play sports	
Start your own business	
Negotiate business contracts	
Keep shipping and receiving records	
Calculate the wages of employees	
Test the quality of parts before shipment	
Repair and install locks	
Develop a way to better predict the weather	
Work in a biology lab	
Write scripts for movies or television shows	
Plan and film dance tutorial videos	
Teach sign language	
Help conduct a group therapy session	
Represent a client in a lawsuit	
Market a new line of clothing	
Inventory and organize supplies in a warehouse	
Record rent payments	
Set up and operate machines to make products	
Put out forest fires	
Invent a replacement for sugar	
Do laboratory tests to identify diseases	
Sing in a band	
Design video games	
Take care of children at a day care center	
Teach a high school class	
Pitch a product you designed to a group of investors	
Manage a clothing store	
Keep medical records at a doctor's office	
Stamp, sort, and distribute mail for an organization	

For more information, please visit us at **www.ncbionetwork.org/stem-outreach/career-exploration**

SCORING THE INTEREST PROFILER

Work activity items are color/pattern coded to help you score and interpret results. The six color/pattern bands of items represent six interest areas. Items in the same color/pattern band represent an interest area. To reveal your interest areas, follow these instructions:

Step 1: Count the number of "Likes" you marked for the questions in the green band on page 1.
Step 2: Record the number in the "R" green box below. This total equals your score for the Realistic interest area.
Step 3: Repeat steps 1 and 2 for the pink, yellow, purple, orange, and blue questions.

REALISTIC	INVESTIGATIVE	ARTISTIC	SOCIAL	ENTERPRISING	CONVENTIONAL
R	I	A	S	E	C

Primary interest area: _____ (highest score)   **Secondary interest area(s):** _____ & _____ (2nd & 3rd highest)

REALISTIC: THE "DOERS"
People with realistic interests like work activities that include practical, hands-on problems and solutions. They enjoy dealing with plants, animals, and physical materials like wood, tools, and machinery. They often enjoy outside work. Often people with realistic interests prefer working independently.

SOCIAL: THE "HELPERS"
People with social interests like work activities that assist others and promote learning and personal development. They prefer occupations where they communicate with coworkers and customers daily. They like to teach, give advice, help, or otherwise be of service to people.

INVESTIGATIVE: THE "THINKERS"
People with investigative interests like work activities that have to do with ideas and thinking. They prefer to search for facts and figure out problems mentally. They enjoy both working in teams and working on individual projects.

ENTERPRISING: THE "PERSUADERS"
People with enterprising interests like work activities that have to do with starting up and carrying out projects, especially business ventures. They like persuading and leading people and making decisions. They enjoy taking risks for profit. When problems or opportunities arise, these people take swift action.

ARTISTIC: THE "CREATORS"
People with artistic interests like work activities that deal with the artistic side of things, such as forms, designs, and patterns. They like self-expression in their work. They prefer settings where creative solutions and outside-the-box thinking are valued.

CONVENTIONAL: THE "ORGANIZERS"
People with conventional interests follow procedures and maintain accurate written and numerical business records. They prefer working in structured settings where roles and tasks are clearly defined.

Now that you've identified your primary and secondary interests, play the **Reality Check Game** using the link or QR code below. These will give you a better idea of what to look for in a potential career. On the next page, use your Interest Profiler results and the salary information from the Reality Check game to identify degree programs that might be right for you. To learn more about the exciting field of **biotechnology**, watch the **video** below.

REALITY CHECK GAME
How much do you need to make to support your desired lifestyle? Scan the QR code to get started, or visit

nccareers.org/find-career

BIOTECHNOLOGY VIDEO
Interested in a career in biotechnology? To learn more, scan the QR code to watch the video, or visit

youtu.be/w1PtXdJLczU

Bioscience is one of the largest and fastest growing industries in North Carolina. The bioscience industry provides more than 92,000 jobs that pay an average annual salary of $112,000 (TEConomy, 2022). The following two-year degree programs are included for their excellent preparation of graduates for various bioscience careers in North Carolina.

The list of programs is not comprehensive. We strongly encourage students to use this pamphlet as a starting point and to do additional research on jobs in the biotechnology and life science fields related to their individual interests.

Median Salary in NC: $ 35–55K $$ 55–75K $$$ 75K+

Expected Growth in NC (2018–28): ★ 0–3% ★★ 4–7% ★★★ 8–11% ★★★★ 12–16%

Interest Areas are listed in order of prevalence and based on potential careers resulting from the listed programs.

Program	Median NC Salary	Expected NC Job Growth	Interest Areas
Agribusiness Technology | Aquaculture Technology Participate in management, operations, and sales for small farms, agricultural businesses, hatcheries, and aquatic plant and animal production facilities.	$$	★	E R C
Biomedical Equipment Technology Use engineering and technical skills to install, operate, and repair medical instruments and equipment.	$$	★★★	R C I
Biotechnology | Bioprocessing Technology | BioWork* Apply scientific and technical skills in a research or industrial lab setting. Culture cells, purify proteins, perform quality control tests, and operate biological production equipment. **BioWork is a shorter certificate program for process technicians.*	$$	★★★	R I C
Central Sterile Processing Disinfect, prepare, and process sterile supplies and equipment for patient care.	$	★★★★	R C S
Chemical Technology Prepare solutions, collect samples, and perform various types of chemical tests for industrial, environmental, or pharmaceutical companies.	$$	★	R C I
Culinary Arts | Food & Beverage Direct and participate in food and beverage preparation in various environments, including restaurants, hotels, resorts, and institutions.	$	★★★★	E R A
Facility Maintenance Technology Repair and maintain electrical, mechanical, and physical systems in both commercial and industrial institutions.	$$	★★★	R C E
Horticulture Technology Cultivate plants in a nursery or manage landscape plantings using plant identification, pest management, and soil science skills.	$	★	R C A
Industrial Systems Technology | Applied Engineering Use technical skills to service, diagnose problems, and repair industrial equipment.	$$	★★	R C I
Laser and Photonics Technology Apply engineering principles and technical skills to operate laser-based systems in fiber optic communications, research, and industrial applications.	$$	★★	R I C
Medical Laboratory Technology Collect tissue, blood, and bodily fluid specimens and perform laboratory tests in hospitals, medical offices, or research facilities.	$$	★★★★	R I C
Manufacturing Technology | Computer-Aided Drafting Technology Use engineering and technical skills for Computer-Aided Manufacturing (CAM) in industry or Computer-Aided Drafting (CAD) in architecture and industrial design.	$$	★★	C I A

Can I still benefit from the growth of the bioscience industry if I'm not going into a science career?

Bioscience and manufacturing industries require a variety of essential personnel, including managers, accountants, IT professionals, truck drivers, security staff, and trainers.

ENGINEERING

Apply engineering principles to design, test, maintain, and manage projects, gaining skills in planning, testing, and problem-solving across public and private sectors, enhancing systems and technologies.

Program	Cost	Rating	Codes
Civil Engineering Technology	$$	★★	RCI
Computer Engineering Technology	$$	★★	RIC
Electronics Engineering Technology	$$$	★★	CREIA
Industrial Engineering Technology	$$$	★★	CREIA
Mechanical Engineering Technology	$$	★	RIC

BUSINESS & DATA SCIENCE

Analyze financial data, manage business operations, investigate cyber crimes, handle geographic data, and develop or support information systems in diverse organizations.

Program	Cost	Rating	Codes
Accounting and Finance	$$$	★★★	CEIS
Business Administration	$$$	★★★	ECRSI
Geomatics	Geospatial Technology	$$$	★★★	CRIA
Information Technology	$$$	★★★★	ECI
Cyber Crime Technology	$$$	★★★★	CIR

MEDIA PROGRAMS

Create apps and games, manage healthcare training environments, and design visual content for print and digital media as designers, programmers, educators, and graphic artists in various industries.

Program	Cost	Rating	Codes
Graphic Design	$$$	★★★	AREC
Simulation and Game Development	$$$	★★★★	ACIR
Healthcare Simulation Technology	$	★★★★	RSCI
Grapic Arts and Imaging Technology	$$	★★★★	AIRE

MANAGEMENT AND LOGISTICS

Engage in environmental testing, waste reduction, renewable energy technology, emergency management, or industrial operations, focusing on system improvement, safety, compliance, and resource management.

Program	Cost	Rating	Codes
Environmental Management	$$$	★★★	RICE
Sustainability Technologies	$$$	★★★	RICE
Industrial Management Technology	$$$	★★★	ECRS
Supply Chain Management	$$$	★★★	ECA
Emergency Management	$$$	★★★	CES

CONSTRUCTION & TRANSPORTATION

Apply technical skills in building design, construction management, machining processes, electrical installations, and welding in manufacturing, construction, and trade professions.

Program	Cost	Rating	Codes
Building Construction Technology	$$	★★★	RIC
Computer Integrated Machining	$$	★	RCI
Electrical Systems Technology	$$	★★★	RIC
Driving & Vehicle Operations	$	★★★★	RCS
Welding Technology	$$	★★	RCI

HUMAN SERVICES

Support institutions and communities through healthcare and justice systems as law enforcement and security personnel, EMTs and other first responders, trainers and educators, and medical and occupational therapy assistants.

Program	Cost	Rating	Codes
Occupational Education	$$	★★	SI
Criminal Justice Technology	$$	★★★	ECI
Emergency Medical Science	$	★★★★	SRI
Occupational Therapy Assistant	$$	★★★★	RS

For more detailed career information visit **nccareers.org/careerguide/**

What if I don't want to go to school for two more years?

The North Carolina Community College System offers other options, such as 6-week certification courses (e.g. BioWork!) and technical diplomas. These options can lead directly to a job and provide relevant, necessary skills for the workplace.

What if I want to attend a 4-year university?

All NC community colleges offer transfer degrees, which are designed to articulate directly to NC public universities and many NC private universities. By completing the first two years of your bachelor's degree at a community college you will save thousands of dollars on the total cost of your education.

APPRENTICESHIP NC
NC COMMUNITY COLLEGES

Want to jumpstart your career and get paid while you learn?

An **apprenticeship** provides on-the-job learning from a master-level supervisor while receiving job-related education from a college or trade organization.

For more information visit www.apprenticeshipnc.com/

Get a head start on your future – for FREE!

NC CAREER & COLLEGE PROMISE

CCP provides high school students with the opportunity to pursue these options, **tuition-free, while they are in high school**, allowing them to get a jump start on their workplace and college preparation.

See your high school guidance counselor or community college admissions office for more info!