



What We Offer

The Biotechnology Path at SBH High School of Arts and Science offers a rigorous college preparatory curriculum with an emphasis on laboratory science and research.

Instructors:

Ms. Covey Denton - UNC-CH Alumni with a MS of Biomedical Engineering a BS in Applied Science, National Geographic Certified Educator and Trainer.

Ms. Mirela Ridsen – graduated University of Agriculture and Veterinary Medicine, Bucharest, Romania, MS in Biochemistry of Genetics and Biostatistics, 12 years experience in Biotech industry.



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Biotechnology Path

For More Information, Contact:
Mirela Ridsen
Science Teacher
252-293-4150 ext 2190

SALLIE B. HOWARD
HIGH SCHOOL OF ARTS & SCIENCE



What We Offer

- Our well-equipped research lab facilities will allow students to undertake long-term research projects, and engage in cutting edge laboratory work.
- A team of skilled instructors, with vast experience both at the lab bench and in the classroom will promote flexible thinking, strong laboratory skills and teamwork.
- Biotech students can be eligible for certification as a lab assistant and up to one year's worth of college credits. They will participate in internship and summer work placements and gain numerous contacts within the industry.

What it takes to be successful in the Biotechnology Path

- Strong work ethic.
- Commitment to science as a career (Biotech students spend at least 3 hrs a day studying science).
- Excellent reading and writing skills.
- Disciplined in time management.
- Ability to work effectively as part of a team and individually.
- High level of integrity.



Curriculum

1st Year

(Biotech) Biology
(Biotech) Chemistry
Human Genetics
Research and Experimental Design

2nd Year

Biotech 1
Biotech 2
Standard Laboratory Procedures
AP Environmental Science

3rd Year

Biotech 3
Biotech 4
AP Biology
Bioethics and Legislation

4th Year

Applied Biotech 1
Applied Biotech 2
AP Chemistry
Resume writing
Interviewing/placement



Because Biotechnology is interdisciplinary, your child can access post-secondary education and careers in fast growing fields, such as...

Environmental Scientists

Geneticists

Agricultural Scientists

Molecular Biologists

Forensic Scientists