

# Graduate Certificate Programs

The College of Science is pleased to offer several graduate certificate programs for working professionals as well as postbaccalaureate students who want to build their knowledge in growing fields. Graduate certificates are offered in biotechnology, bioinformatics, applied mathematics, nanomedicine, and sustainability sciences. These programs are ideal for people already in the field who want to enhance their career or people who are looking to make a change.

## Programs

### Biology

- Bioinformatics (<https://catalog.northeastern.edu/graduate/science/biology/bioinformatics-graduate-certificate/>) (Boston)
- Bioinformatics (<https://catalog.northeastern.edu/graduate/science/biology/bioinformatics-graduate-certificate-ptl/>) (Portland)
- Omics (<https://catalog.northeastern.edu/graduate/science/biology/omics-graduate-certificate/>) (Boston)

### Chemistry and Chemical Biology

- Biodefense and Biosecurity (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/biodefense-biosecurity-graduate-certificate/>) (Boston)
- Biopharmaceutical Analytical Sciences (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/biopharmaceutical-analytical-science-graduate-certificate/>) (Boston)
- Biotechnology (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/biotechnology-graduate-certificate/>) (Boston)
- Biotechnology (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/biotechnology-graduate-certificate-ptl/>) (Portland)
- Biotechnology Enterprise (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/biotechnology-enterprise-graduate-certificate/>) (Boston)
- Biotechnology Regulatory Science (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/regulatory-science-graduate-certificate/>) (Boston)
- Experimental Biotechnology (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/experimental-biotechnology-graduate-certificate/>) (Boston)
- Manufacturing and Quality Operations in Biotechnology (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/manufacturing-quality-operations-biotechnology-graduate-certificate/>) (Boston)
- Molecular Biotechnology (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/molecular-biotechnology-graduate-certificate/>) (Boston)
- Molecular Biotechnology (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/molecular-biotechnology-graduate-certificate-ptl/>) (Portland)
- Pharmaceutical Technologies (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/pharmaceutical-technologies-graduate-certificate/>) (Boston)
- Process Science (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/process-science-graduate-certificate/>) (Boston)
- Vaccine Development (<https://catalog.northeastern.edu/graduate/science/chemistry-chemical-biology/vaccine-development-graduate-certificate/>) (Boston)

### Marine and Environmental Sciences

- Sustainability Sciences (<https://catalog.northeastern.edu/graduate/science/marine-environmental-sciences/sustainability-sciences-graduate-certificate/>) (Boston)

### Mathematics

- Applied Mathematics (<https://catalog.northeastern.edu/graduate/science/mathematics/applied-mathematics-graduate-certificate/>) (Boston)

### Physics

- Nanomedicine (<https://catalog.northeastern.edu/graduate/science/physics/nanomedicine-graduate-certificate/>) (Boston)