



CELL & GENE THERAPY ESSENTIALS CERTIFICATE

Credit Program

Provides students with the essential skills, knowledge, and preparation to enter the cell and gene therapy industry. Explores the steps involved in the manufacturing process starting from AAV vector preparation, transfection, virus purification, to QC using digital PCR and flow cytometry, the regulatory aspects, and the current state and future of the field. Students will have hands-on experience with industry-standard equipment and will be exposed to common techniques used in the cell and gene therapy manufacturing process.

Curriculum and Culminating Credential(s)

20 credits in molecular biology, regulatory aspects, cell and gene therapy, and flow cytometry • FCC credit certificate



Prerequisites

College Level English and Math



Program Length

Three 15-week Academic Semesters



Approximate Cost

\$3,300



Learn More: frederick.edu/biotechnology

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