



# Online Graduate Certificate in Clinical Genetics & Genomics

**Get Ready for a 12-Credit Online Graduate Certificate Program within one of the fastest growing sectors of healthcare, clinical genomics**

**This certificate offers a competitive edge for individuals:**

- Applying to graduate programs related to clinical genetics and genetic counseling.
- Pursuing genetic counselor assistant positions.
- Currently employed in the healthcare sector or medical sales/marketing professions seeking additional education in clinical genetics and genomics.
- Switching careers and looking for a broad foundational knowledge in clinical genetics and genetic counseling.
- Wanting to “test” the waters of this exciting and growing field.

**4** REQUIRED COURSES **12** CREDITS IN TOTAL

Certificate can be completed in one year.

**ISG 5100** - Foundations in Clinical Genetics and Genomics (3-Credits)

**ISG 5101** - Principles of Human Embryology and Teratology (3-Credits)

**ISG 5102** - Clinical Applications of Genetic and Genomic Technologies (3-Credits)

**ISG 5103** - Theories and Practice of Clinical Genetics (3-Credits)

**UConn**

For more information contact:  
Maria Gyure, Director, Clinical Genetics and Genomics Certificate Program  
[maria.gyure@uconn.edu](mailto:maria.gyure@uconn.edu)

**[clinicalgenetics.uconn.edu](http://clinicalgenetics.uconn.edu)**

## About Clinical Genetics and Genomics Online

This University of Connecticut (UConn) online graduate certificate program focused on genetics and genomics practice provides students with an independent, yet engaging, series of 100% online courses. The goal of the curriculum targets acquisition of a knowledge base and skill set in clinical genetics and genomics using unique, innovative, and research-proven strategies eliciting engagement and interactivity within the online platform.

Graduates will be poised to advance in a current position, pursue further graduate training, or seek a new entry-level career in this dynamic field of study.

A graduate certificate in Clinical Genetics and Genomics can also serve to support the transition from an undergraduate environment to a professional graduate degree. Programmatic goals include providing students with a broad foundation of knowledge in the field of clinical genetics and genomics along with an introduction to current technologies and techniques used within the field.



## Through this online certificate program, you will gain an understanding of:

- The mechanisms by which genetic and genomic variations influence health and contribute to human disease.
- The foundational concepts and application of genetics and genomics in the context of human disease.
- Fundamental mechanisms underlying typical and atypical development related to human embryology and teratology.
- The theoretical framework, skill sets, and applications necessary to provide scientific communication of genetics and genomics, clinical resources, diagnoses, and counseling in the clinical setting.
- The principles, clinical applications, and interpretation of genetic and genomic testing methods.

## A graduate certificate facilitated by UConn faculty to:

- Reinforce concepts in diagnostic services, genomic medicine and counseling for patients with genetic-related health risks.
- Introduce effective communication and support mechanisms.
- Shape persons into strong advocates capable of providing psychosocial support while facilitating informed decision-making.

## Program Fees

Students taking courses in the Clinical Genetics and Genomics Online Graduate Certificate program pay a comprehensive fee of \$825 per credit or \$2,475 for a 3-credit course. The cost of the 12-credit certificate program is \$9,900. **Please check the website at [clinicalgeneticscertificate.online.uconn.edu/program-fees/](http://clinicalgeneticscertificate.online.uconn.edu/program-fees/) for updates.**

## Admissions

To apply for admission to the Clinical Genetics and Genomics Online Graduate Certificate, complete the application process online at **[clinicalgeneticscertificate.online.uconn.edu/how-to-apply](http://clinicalgeneticscertificate.online.uconn.edu/how-to-apply)**. Applicants must have completed a Baccalaureate degree or higher from a regionally accredited college or university.

## Faculty

**Maria Gyure, MS, LCGC**  
*Director, Clinical Genetics and Genomics Graduate Certificate*

## Contact Us

To discuss application and enrollment and content concerning the Clinical Genetics and Genomics Online Graduate Certificate, please contact:

**Maria Gyure, MS, LCGC**  
*Director, Clinical Genetics and Genomics Graduate Certificate Program*  
**Email: [maria.gyure@uconn.edu](mailto:maria.gyure@uconn.edu)**

