DOMINICAN UNIVERSITY of CALIFORNIA 1890

MASTER OF SCIENCE CLINICAL LABORATORY SCIENCES

FIND YOUR INSPIRATION

The ***Master of Science in Clinical Laboratory Sciences (MS-CLS)*** with an emphasis in Molecular Diagnostics is a 36-unit, non-thesis program, for future leaders in the clinical laboratory. The program's primary goal is to provide advanced training to students who are already CLS-licensed or CLS-license eligible.

In this program, students will be prepared to modify systems and procedures in an effort to make the clinical lab more efficient and cost-effective while still emphasizing the importance of obtaining accurate and reproducible patient results. Molecular diagnostic techniques covered by this program include nucleic acid and protein extraction, gel electrophoresis, PCR, fluorescent in situ hybridization (FISH), restriction fragment length polymorphism (RFLP) analysis, and DNA and RNA microarray technology.

ENVISION THE PROCESS

YOU WILL LEARN WITH EXPERIENCED FACULTY: *"Clinical laboratory science (CLS) is an invisible, yet vital, component of the medical community. California is facing an ever-increasing shortage of clinical laboratory scientists—particularly those with advanced degrees— and this will inevitably compromise patient care considerably in the next several years. Dominican University is striving to alleviate this problem by offering the only CLS master's program in California."* —Dr. Mary B. Sevigny, CLS Program Director

IMAGINE CAREER POSSIBILITIES: Graduates will be well equipped for positions in the biotechnology or pharmaceutical industries. CLS-licensed or CLS-eligible graduates will have opportunities for leadership or managerial positions within a clinical lab. Graduates without CLS certification will become eligible for CLS internship programs. Additionally, graduates will be eligible for internship as a Clinical Cytogeneticist Scientist and Clinical Genetics Molecular Biologist under CDPH personnel licensure.

PROGRAM FAST FACTS

LENGTH:
2 years

FORMAT:
36 units, weekday evening classes

PRE-REQUISITES:
Biostatistics or Statistics in the Health Sciences

Medical Microbiology

Medical Parasitology

Hematology

Additionally, candidates must be nationally certified or license-eligible as a clinical laboratory scientist or medical technologist for the Master of Science degree in CLS; applicants who are not CLS license-eligible may still apply to this program to earn a Master of Science degree in Molecular Diagnostics.

Visit ***www.dominican.edu/gradprograms*** for additional program information.

CONTACT US

For more information,
or to arrange a campus visit,
contact the Office of Admissions
at ***888-323-6763*** or ***415-485-3204,***
or email us at
graduateprograms@dominican.edu
We look forward to working with you.

CURRICULUM

BIO 5200 Advanced Molecular Biotechnology (3 units)

BIO 5300 Advanced Biochemistry (3 units)

BIO 5410 Molecular Diagnostics Laboratory I (3 units)

BIO 5420 Molecular Diagnostics Laboratory II (3 units)

BIO 5600 Scientific and Technical Writing (3 units)

CLS 5000 Current Issues in Clinical Laboratory Sciences (3 units)

CLS/BIO 5110 Clinical Laboratory Laws, Regulations, Accreditations and Ethics (3 units)

CLS 5120 Clinical Lab: Financial Management and Utilization (3 units)

CLS 5200 Quality Systems (3 units)

CLS 5210 Laboratory Information System (LIS) Applications in the Clinical Lab (3 units)

CLS 5700 Master's Research Project (3 units)

MBA 5225 Technical Project Management (3 units)

Total units: 36

FINANCIAL AID

For information on the cost of tuition as well as instructions for applying for financial aid, please visit us online at ***www.dominican.edu/admissions/aid***

ADMISSION DEADLINES AND REQUIREMENTS

Applications for MS CLS must be received by May 15 for Fall admission. Admissions decisions are announced in June.

Visit ***www.dominican.edu/admissions*** for complete application requirements.

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