



Program of Study Request

Form Id: 15880

Form Status: Process

Please take action on the form.

This service has been developed initially to support the conversion of the university's course inventory from a quarters to a semesters curriculum. **Getting started ...**

Type of Request:

- New
- Modify
- Deactivate
- Terminate
- Quarter to Semester

For *Deactivate*, the program must be terminated no later than the conclusion of 7 years from the deactivation and all students must complete degree requirements by this date. The Registrar's Office will notify the department when all students have completed degree requirements of the deactivated program.

Client Info

Name:

Email:

Phone:

Department:

Location:

Program of Study

MLB - Medical Lab Science - Cert

Effective Term: Summer 2017

Level: Undergraduate

College of Science & Math

Degree: Certificate Program *New

Major: Medical Laboratory Science *New

Minor:

Program: Medical Lab Science - Cert *New

Concentration:

Add'l Info:
 The Clinical Laboratory Science program is changing its name to Medical Laboratory Science to reflect the current nomenclature in the profession.

Approvals

Activity	Role	Client	Status	Time
Primary Route				
Dept_Review	Dept of Medical Laboratory Science	Laura L. Buerschen	Review	12/02/2016 13:36:14
CCC_Eval	UG Chair of College of Science & Math	Richard Mercer	Approve	12/02/2016 14:05:34
Dean_Review	Dean of College of Science & Math	Mark D. Mamrack	Review	12/02/2016 15:32:50

UCAP_Eval UCAP Chair Karen Meyer Approve 03/09/2017
09:44:43

Office Route

Registrar_Proc Registrar Office Pending

Notes

Attach

Audit

Share with a colleague (Simple Webmail Client)

3640 Colonel Glenn Highway - Dayton, Ohio - 45435

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Proposed Certification in Medical Laboratory Science

- I. **Title of Program:** Certification in Medical Laboratory Science
Department: Biological Sciences
College: College of Science and Mathematics

II. Objectives:

The objectives of the Medical Laboratory Science degree are to provide the ability to meet or exceed entry level competencies as described by National Accrediting Agency for Clinical Laboratory Science (NAACLS). These objectives include, but are not limited to:

- Describe the principles, procedures, limitations, interferences and techniques of all common laboratory procedures.
- Recognize normal limits for the above procedures.
- Correlate patient laboratory data to determine sample acceptability and to determine clinical conditions.
- Establish and monitor a quality control program.
- Understand the basic principles of laboratory instruments.
- Perform as an entry level Medical Laboratory Scientist.

III. Descriptions (catalog):

The Medical Laboratory Science certificate program is a one-year medical laboratory curriculum accredited by the American Medical Association Council on Medical Education through the National Accrediting Agency of Clinical Laboratory Sciences (NAACLS). The program is a 12-month training, which includes 24 weeks of hospital practicums. Upon successful completion of the program, students receive a certificate in Medical Laboratory Science. They also become eligible to take the national certification examination for medical laboratory scientists given by the American Society for Clinical Pathology (ASCP).

Students apply for the Medical Laboratory Science Clinical Year Program through the department. Criteria used to determine admission include the academic record, letters of recommendation, and a personal interview. The number of positions in each class for the clinical year is limited and determined by the Program's Advisory Committee.

The program's courses are oriented toward job performance, theory and clinical correlation. Students are placed in varied practice environments. They are also oriented to the need for continuing education and leadership in the planning and management of laboratory services. The program plan is specifically designed to facilitate student progress, and promote career development in any geographic location.

IV. Admission Requirements:

The 12 month of the program, AKA the Clinical Year program (CYP) requires prospective students to apply before November 1 of the calendar year preceding summer admission. They are required to complete an application with three references and to have a minimum overall GPA of 2.7 and a minimum grade of C in all science and math courses. Students may enter with a B.A. or B.S. in science. Two faculty members and one clinical affiliate representative then interview the applicants. The curriculum committee votes at the annual meeting in January/February to accept or reject applicants and to determine the class size. Students enroll for the summer term and begin their didactic classes. Just after the fall term begins, students spend most of their remaining time at affiliate laboratories. Graduates of an approved (Clinical Laboratory Technician) CLT/(Medical Laboratory Technician) MLT program are considered for entry into the CYP on an individual basis.

V. Program Requirements:

The program requirements can be found in the attached program of study.

VI. Program Quality:

The current Clinical Laboratory Science Program has several quality assessments in place. The Medical Laboratory Science certificate program will use the same assessments. Examples include, but are not limited to:

- The certificate program should be completed in 12 months or less.
- The American Society for Clinical Pathology (ASCP) certifies Medical laboratory Scientists. The performance of the Medical Laboratory Science graduates on this examination will be reviewed annually in total for the program, but also for each of the laboratory areas in which the students are trained.
- The program has an Advisory Committee that meets annually in part to review the program and the ASCP certification exam performance.
- Alumni will be tracked to follow graduate successes and failures.
- Graduate employers will be surveyed annually for graduate performance in comparison to other employees with the same training.
- Data from these measures will be presented to the Biology Dept. Undergraduate Curriculum Committee, which will make recommendations for continuous improvement to enrich the student experience.

VII. Student Performance:

Students must complete all CoSM courses, including courses required for the program with a grade of “C” or better.

VIII. Curriculum Coordination:

This is a current program, Clinical Laboratory Science, in the Department of Biological Sciences. Those Clinical Laboratory Science (CL) courses are being converted to Medical Laboratory Science (MLB) courses, so no additional Wright State University courses or resources will be needed. As no new courses were created and all courses are regularly offered there are no coordination issues at this time.

IX. Resource Coordination:

No additional resources will be needed to offer the degree in Medical Laboratory Science.

X. Program Staffing:

No additional staffing will be needed to offer the degree in Medical Laboratory Science.

XI. Other

a. Employability

- i.** There has been 100% employment for graduates in the last six years.
- ii.** Across the nation, approximately 80% of currently practicing Medical Laboratory Scientists are expected to retire in the next 5-10 years, so the need is expected to grow.
- iii.** Starting salary for the most recently completing class was over \$50,000/year.

b. Program accreditation

- i.** The program is accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS).
- ii.** Courses that were selected for the program were converted from CL courses that previously existed in the accredited CLS program.

College	Science and Mathematics
Department	Biological Sciences
Degree (A.A. B.S., B.F.A., etc.) & Title	na
Concentration, Track, Option, Specialization	n/a
Minor Program Title	na
Certificate Program Title	Certificate in Medical Laboratory Science

Current Semester Program	
	Hours
I. Departmental Requirements and electives	
CL 4200, 4220, 4310, 4410, 4420, 4430, 4440, 4510, 4610, 4620, 4630, 4640, 4710, 4720, 4730, 4740, 4810, 4910, 4920, 4930, 4940	39
Total Hours:	39

New Semester Program	
	Hours
I. Departmental Requirements and electives	
MLB 4110(1), 4111(0.5), 4210(1), 4211(0.5), 4310(2), 4311(1), 4320(2), 4330(3), 4410(1), 4411(0.5), 4510(2), 4511(1), 4520(2), 4530(3), 4610(1), 4611(0.5), 4710(3.5), 4711(1.5), 4720(2), 4730(3), 4810(2), 4811(1), 4820(2), 4830(3), 4990(2)	42
Total Hours:	42