

# *Bachelor of Science in Forensic Science*

## Purpose

The Forensic Science program at Our Lady of the Lake College is a new program that was introduced in the Spring 2004 semester. The purpose of the Bachelor of Science degree in Forensic Science is to provide Louisiana and the surrounding states with qualified scientists capable of competing in the job market of the 21<sup>st</sup> century. The graduates will be equipped with scientific skills that will enable them to function in a highly specialized crime laboratory. They will be able to perform crime scene analysis and give expert witness testimony.

## Objectives

Students graduating with a Bachelor of Science Degree in Forensic Science will be able to:

1. Integrate scientific theory and practical training that will be required to work in a highly specialized crime laboratory.
2. Perform crime scene analysis and give expert witness testimony.
3. Apply computer skills, problem solving, critical thinking, and decision making as required in the field of forensic science.
4. Write for the required certification examinations in the field of forensic science.
5. Appreciate the concept of a civil community that respects the rights and property of others and abhors violence, theft, and exploitation of others.
6. Practice life-long learning that encourages academic, personal, and professional growth.

## Admissions Procedure

1. Requirements for acceptance into the program are the same as for acceptance to Our Lady of the Lake College.
2. Applicants to the Forensic Science program in the School of Arts and Sciences must complete an application for the program. The application form may be submitted once the applicant has successfully completed a minimum of 65 credit hours of course work required for the degree. Enrollment is limited and admission is selective.
3. Applicants to the program must meet with a program advisor to develop a degree plan. The Dean of Arts and Sciences must approve all degree plans.
4. Following admission to any Arts and Science Bachelor's Program, students must meet with the program advisor every semester prior to pre-registering for the next semester.
5. All students must complete 36 credit hours on the campus of Our Lady of the Lake College, Baton Rouge, LA to fulfill the School of Arts and Sciences requirements.

### Minimum Admission Requirements

For admission into the Forensic Science degree program the applicant must:

1. Have successfully completed 65 credit hours of required courses.
2. Have completed all science courses required for the degree with a grade of "C" or better.
3. Have an overall GPA of 2.5 or higher.
4. Have the recommendation of the Dean of Arts and Sciences and the Forensic Science Program Director.

### Length of the Program

The Bachelor of Science Degree in Forensic Science consists of 131 total credit hours of which 26 credit hours are in Forensic Science. The remaining 105 credit hours are comprised of Arts and Sciences courses.

### Curriculum

The Bachelor of Science degree in Forensic Science will be offered via two routes: through an Arts and Sciences curriculum or as a completion degree for students with an associate of science degree in Clinical Laboratory Sciences (CLS). The Arts and Sciences route requires 131 credit hours. Besides completing the general education requirements for a Bachelor of Science degree, the students are required to complete 26 credit hours in forensic science, 22 required credit hours in biology, and 23 required credit hours in chemistry.

The CLS route requires that the clinical laboratory technician student complete the associate degree program before beginning the Forensic Science program. The students must complete all of the Arts and Sciences courses in the Forensic Science curriculum, with the exception of analytical chemistry (CHEM 255 & 256) or immunology (BIOL 480). The total credit hours required to complete the program is 153.

## Arts and Sciences Forensic Science Curriculum

SEMESTER 1			SEMESTER 2		
Courses		Credit Hours	Courses		Credit Hours
ENGL 101	English I	3	ENGL 102	English II	3
MATH 112	College Algebra	3	MATH 120	Trigonometry	3
BIOL 111,	General Biology 1,	3	BIOL 112,	General Biology II	3
BIOL 113,	General Biology 1 Lab, or	1	BIOL 114,	General Biology II Lab,	1
or	Human Anatomy &		or	or	
BIOL 210,	Physiology I,		BIOL 211,	Human Anatomy &	
	Human Anatomy &			Physiology II	
BIOL 212	Physiology I Lab		BIOL 213	Human Anatomy &	
				Physiology II Lab	
CHEM 101,	Fundamentals of Chemistry	3	CHEM 102	Fundamentals of Chemistry II	3
	I			Fundamentals of Chemistry II	1
CHEM 103	Fundamentals of Chemistry	1	CHEM 104	Lab	
	I Lab				
ASCM 100,	Academic Seminar,	<u>1</u>	FOSC 100 (	Forensic Science Survey	<u>2</u>
ACSM 101	Introduction to	<u>3</u>			
	Baccalaureate Education				
TOTAL		18	TOTAL		16
SEMESTER 3			SEMESTER 4		
RELS 100	Introduction to Theology	3	CSCI 100	Introduction to Computer	3
				Science	
BIOL 280,	Fundamentals of	3	PHYS 123	General Physics II	3
BIOL 281	Microbiology,		PHYS 124	General Physics II Lab	1
	Fundamentals of	1			
	Microbiology Lab				
CHEM 101,	General Organic Chemistry	3	CHEM 202	General Organic Chemistry	3
CHEM 203	I, General Organic	1		II	
	Chemistry I Lab		CHEM 204	General Organic Chemistry	1
				II Lab	
PHYS 121,	General Physics I,	3	FOSC 202	Crime Scene Search &	3
PHYS 122	General Physics I Lab	1		Recovery	
FOSC 200	Forensic Science	<u>2</u>	MATH 250	Calculus	<u>3</u>
	Professional Practice				17
Total		17	Total		17
SEMESTER 5			SEMESTER 6		
CHEM 335	Biochemistry	3	FOSC 310	Criminalistics & Crime	4
				Analysis	
ENGL 311	Technical Writing	3	CHEM 400	Toxicology	4
			or		
			FOSC 400		
CHEM 255,	Analytical Chemistry	34	PSYC 100	Introductory Psychology	3
CHEM 256(	Analytical Chemistry Lab				
MATH 252	Statistics	3	BIOL 312	Genetics	3
FOSC 300 (	Forensic Evidence, Law &	<u>3</u>	ANTH 100	Introduction to	<u>3</u>
	Criminal Procedures			Anthropology	
TOTAL		16	TOTAL		17

SEMESTER 7			SEMESTER 8		
BIOL 346	Cellular, Molecular & Developmental Biology	3	FOSC 415 (	Forensic Science Practicum	4
PSYC 335	Abnormal Psychology	3	Elective	Natural Sciences Elective	3
FOSC 410 (	Forensic Molecular Biology	4	SPCH 100	Fundamentals of Speech	3
BIOL 410	Fundamentals of Immunology & Lab	4	RELS $\geq$ 200 level	Religious Studies	<u>3</u>
Elective	Elective	<u>3</u>			
TOTAL		17	TOTAL		13
TOTAL CREDITS REQUIRED FOR THE DEGREE					131

Requirements for Graduation

1. At least 131 credit hours (see above). A degree plan should be formulated with and approved by the Forensic Science Program Director.
2. An overall grade point average of 2.00 (out of 4.00), including all transfer courses.
3. For this degree, all students must complete 36 credit hours on the campus of Our Lady of the Lake College, Baton Rouge, LA.

*NOTE: See also, OLOLC General Requirements for Graduation.*