COLLEGE OF ARTS AND SCIENCES NEW PROGRAM REVIEW FORM

NO. 11-10

	Chair's Signature	2	Recommendation	Review Date	
Department	JAMA,	<u> </u>	Accept	9/2/10	
Division	Sam H. Long		approve	9/17/10	
Dept. of Educ.	* ***			,	
(If course relates to teacher certification program.)					
Dean (Sodon & My o	uue	Approve	10/6/10	
Curriculum Comm	ittee /	<u> </u>	Approved	10/22/10	
Accepted By CFC	Mallel Z	Mercell	Approved	11/3/10	
CAS Faculty	BUNT		Appred	Dec. 9,2010	
	Faculty	University	WU Board		
Approved By:	Senate	Faculty	of Regents		

1. Title of program.

Associate of Science Degree in Laboratory Science

2. Rationale for offering this program.

From The Washburn University Strategic Plan (WBoR approved 4/9/2010) "Strategic Theme IV, Goal A.3. Develop appropriate programs to support the bioscience initiative in Kansas."

The Associate of Science Degree in Laboratory Science is designed to develop science laboratory technicians available for the bioscience workforce. These technicians will have a fundamental understanding of the underlying chemical and biological science as well as the necessary scientific laboratory skills to be effective bench scientists.

A second group of students will also be served by this degree. Students pursuing a Doctor of Pharmacy complete the equivalent of two years of coursework before admission to pharmacy school. At Washburn University, this pre-pharmacy coursework is more than sufficient in quantity and rigor to warrant the awarding of an Associate of Science degree. Currently, the large majority of pre-pharmacy students leave Washburn University with no degree to show for their body of work completed.

A student who completes the degree will have completed at least the following science courses as well as the other university requirements common to all Associate degrees listed on page 74 of the 2010-2011 Washburn University Catalog:

Courses in Chemistry	
CH 151 Fundamentals of Chemistry I	5 credits
CH 152 Fundamentals of Chemistry II	5 credits
CH 340 Organic Chemistry I	3 credits
CH 342 Organic Chemistry Laboratory 1	2 credits
One of the three options	
CH 320 Analytical Chemistry	3 credits
CH 321 Analytical Chemistry Laboratory	1 credit
or	
CH 341 Organic Chemistry II	3 credits
CH 343 Organic Chemistry Laboratory II	2 credits
or	
CH 350 Biochemistry I	3 credits
CH 351 Biochemistry Laboratory I	2 credits
Total in department	19-20 credits
Cognate courses	
MA 116 College Algebra	3 credits
BI 102 General Cellular Biology	5 credits
BI 301 General Microbiology	4 credits
Biology elective with lab	3-5 credits
Total cognate	15-17 credits

3. Exact proposed catalog description.

The Departmental Mission and Student Learning Outcomes are as already stated in the catalog. The following will be added under "THE MAJOR."

AS in Laboratory Science – in addition to the university requirements common to all Associate degrees, at least 19 hours in the department are required, including the following courses and their prerequisites: Chemistry 342, one course from (320, 341, and 350), and one correlated laboratory course from (321, 343, and 351). Cognate course requirements are at least 12 hours in Biology including the following courses and their prerequisites: Bl 301 and one laboratory containing course from (105, 110, 255, 275, 325, 333, and 354).

Students who are preparing for admission to a pharmacy school would complete the AS in Laboratory Science including the following recommended courses. CH 151, 152, 340, 341, 342, 343, BI 102, 250, 255, 301, MA 141, CN 101, PS 101 (or a high school Physics course with a grade of B or better), EC 200, PY 100, and a literature course in English.

4. List any financial implications.

none

Approved by Faculty Senate 1/24/2011