

COURSE EQUIVALENCY TABLE

BS MICROBIOLOGY

DUTCHESS COMMUNITY COLLEGE

ALBANY COLLEGE OF PHARMACY AND HEALTH SCIENCES

LAX - LIBERAL ARTS AND SCIENCES – SCIENCE (LAX)			BS MICROBIOLOGY		
Course #	Course Title	Credits	Course #	Course Title	Credits
First Semester					
BIO 105	General Biology I	4	BIO 101	General Biology I	4
CHE 121	General Chemistry I	4	CHE 101	General Chemistry I	4
ENG 101	Composition I	3	COM 101	Academic Reading and Writing	3
MAT 118	Elementary Statistics	3	MAT 145	Elementary Statistics	3
SPE 101	Public Speaking	3	COM 115	Principles of Communication	3
SCI 100	Science Introductory Seminar	1		No credit will be given	
		18			17
Second Semester					
BIO 106	General Biology II	4	BIO 102	General Biology II	4
CHE 122	General Chemistry II	4	CHE 102	General Chemistry II	4
HIS 103/104	History of the United States I/II	3	HUM 101	The Pre-Modern World	3
ENG 102	Composition II	3		Liberal Arts Elective	3
BHS 103	Social Problems in Today's World	3		Liberal Arts Elective	3
		17			17
Third Semester					
	Gen. Education Elective*	3	HUM 102	The Modern World	3
CHE 231	Organic Chemistry I	4	CHE 211	Organic Chemistry I	4
PHY 121	General Physics I	4	PHY 212	College Physics I	4
MAT 221	Calculus I	4	MAT 121	Calculus I	4
BIO 207	General Microbiology	4	BIO 210	Microbiology	4
		19			19
Fourth Semester					
CHE 232	Organic Chemistry II	4	CHE 221	Organic Chemistry II	4
PHY 122	Physics II	4	PHY 222	College Physics II	4
	Humanities**	3	HUM 201	The Contemporary World	3
	Social Science***	3		Liberal Arts Elective	3
WFE 101	Lifetime Wellness and Fitness	3		No credit will be given	
		17			14
	Total Credits	71		Total Credits Transferred	67
* Select a course from SUNY Gen Ed Appendices E Western Civilization					
** Select a course from SUNY Gen Ed Appendices G Humanities. Should have course attribute of ART, ENG, HUM, PHI or THE from this list to satisfy ACPHS requirement.					
***Applicable courses in behavioral science, economics, geography, government, history, psychology. Students may not use BHS 103 to satisfy the Social Science requirement.			No credit will be accepted for grades lower than "C" or for physical education courses.		

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BS MICROBIOLOGY

Dutchess Community College (67 credits)

Remaining ACPHS Coursework (55 credits) – Biomedical Microbiology Track

- Virology (3)
- Biochemistry (3)
- Immunology (3)
- Microbial Physiology (3)
- Biomedical Lab Techniques I (3)
- Biomedical Lab Techniques II (3)
- Medical Mycology & Parasitology (3)
- Microbial Genetics (3)
- Cell Biology (3)
- Capstone (6)
- Scientific Communication (2)
- Journal Club (2)
- Bacterial Pathogenesis (3)
- Track Elective (6)
- Electives (9)

Remaining ACPHS Coursework (55 credits) – Public Health Microbiology/Infectious Disease Epidemiology Track

- Biochemistry (3)
- Immunology (3)
- Microbial Physiology (3)
- Biomedical Lab Techniques I (3)
- Biomedical Lab Techniques II (3)
- Public Health Microbiology (3)
- Intro to Epidemiology (3)
- Microbial Genetics (3)
- Cell Biology (3)
- Capstone (6)
- Scientific Communication (2)
- Journal Club (2)
- Global Perspectives in Epi. (3)
- Track Elective (6)
- Electives (9)

Remaining ACPHS Coursework (57 credits) – Industrial/Pharmaceutical Microbiology Track

- Biochemistry (3)
- Immunology (3)
- Microbial Physiology (3)
- Biomedical Lab Techniques I (3)
- Biomedical Lab Techniques II (3)
- Pharmaceutical Microbiology (3)
- Public Health Toxicology (3)
- Microbial Genetics (3)
- Cell Biology (3)
- Capstone (6)
- Scientific Communication (2)
- Journal Club (2)
- Foundations of Pharm Sci. (2)
- Industrial Micro/Bioprocessing (3)
- Track Elective (6)
- Electives (9)