

BIOTECHNOLOGY (AAS)						
Intellectual Competencies*	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
1 READING the ability to analyze and interpret a variety of printed materials - books, documents, and articles	ENGL 1301, BIOL 1406, CHEM 1111, CHEM 1311, MATH 1314	ENGL 1302 or ENGL 2311, CHEM 1112, CHEM 1312	CHEM 2123, CHEM 2323, <i>Humanities Elective</i>	BIOL 2421, <i>Restricted Elective</i>	PSYC 2301	
2 WRITING the ability to produce clear, correct and coherent prose adapted to purpose, occasion and audience	ENGL 1301, BIOL 1406, CHEM 1111, CHEM 1311	ENGL 1302 or ENGL 2311, CHEM 1112, CHEM 1312	CHEM 2123, CHEM 2323, Humanities Elective	BIOL 2421, <i>Restricted Elective</i>	PSYC 2301	
3 SPEAKING ability to communicate orally in clear, coherent, and persuasive language appropriate to purpose, occasion, and audience	ENGL 1301	<i>ENGL 1302 or ENGL 2311</i>	<i>Humanities Elective</i>		SPCH 1318	
4 LISTENING analyze and interpret various forms of spoken communication, possess sufficient literacy skills of writing, reading	ENGL 1301, BIOL 1406	<i>ENGL 1302 or ENGL 2311</i>	<i>Humanities Elective</i>	BIOL 2421, <i>Restricted Elective</i>	SPCH 1318, PSYC 2301	
5 CRITICAL THINKING Ability to apply both qualitative and quantitative skills analytically and creatively to subject matter to evaluate arguments and construct alternative strategies.	ENGL 1301, BIOL 1406, CHEM 1111, CHEM 1311, MATH 1314	ENGL 1302 or ENGL 2311, CHEM 1112, CHEM 1312	CHEM 2123, CHEM 2323, <i>Humanities Elective</i>	BIOL 2421, <i>Restricted Elective</i>	SPCH 1318, PSYC 2301	
6 COMPUTER LITERACY understand our technological society, use computer based technology in communication, solving problems, acquiring information	ENGL 1301, BIOL 1406, CHEM 1111, CHEM 1311	ENGL 1302 or ENGL 2311, CHEM 1112, CHEM 1312	CHEM 2123, CHEM 2323, <i>Humanities Elective</i>	BIOL 2421, <i>Restricted Elective</i>	SPCH 1318	
Non-Core courses	BIOL 1414	BITC 1402	BITC 2350	BITC 2441	BITC 2411	BITC 2431 or BITC 1491
Non-Core courses		BITC 1240				BITC 2487
*All competencies are expected to be performed above the 12th grade level						
Bold = competency addressed by this course						
<i>Italics (orange) = <25% likelihood of being addressed by this course</i>		<i>Italics (blue) = 51 - 75% likelihood of being addressed by this course</i>				
<i>Italics (red) = 25 - 50% likelihood of being addressed by this course</i>		<i>Italics (green) = >75% likelihood of being addressed by this course</i>				