

**Genesee Community College**  
 230-Biotechnology-A.S.  
 SEMESTER COURSE PLANNING WORKSHEET  
 2009-2010

<b>Suggested First Semester</b>	<b>Credits</b>	<b>Suggested Second Semester</b>	<b>Credits</b>
ENG101 (By Placement)	3	ENG102	3
MAT141	4	MAT129	3
BIO115	4	CHE102	4
CHE101	4	BIO116	4
PED/HED ELECTIVE	1	AMERICAN HISTORY	3
BIO117	1		
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>17</b>
<b>Suggested Third Semester</b>	<b>Credits</b>	<b>Suggested Fourth Semester</b>	<b>Credits</b>
CHE201	4	WESTERN CIVILIZATION	3
BIO205 or PHY121 or PHY131**	4	CHE202	4
WORLD CIVILIZATION ELECTIVE	3	BIO207	4
BIO206	4	SPE108 or SPE109	3
PED/HED ELECTIVE	1	SOCIAL SCIENCE ELECTIVE/PHI103**	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>17</b>

**General Curriculum Information**

**English (by placement):** Satisfactory completion of the writing skills exam is a prerequisite for ENG101. Students who do not satisfactorily complete the writing exam must register for ENG091 and/or ENG100 prior to completing their six (6) hour English sequence.

**Mathematics (by placement):** Mathematics placement is based on the ACT, ASSET, or COMPASS placement test.

**Reading Proficiency Requirement:** All students will be required to demonstrate proficiency in reading through testing prior to earning a degree or certificate. Students who do not meet the required standard will be expected to begin remediation immediately.

**\*\*Check with transfer institution to determine their requirements**

230	Degree Requirements for Biotechnology	A.S.
<b>2009-2010</b>		
<b>1</b>	<b>COMMUNICATIONS</b>	<b>9</b>
	ENG101 English Communications I	3
	ENG102 English Communications 2	3
	SPE103 or SPE108 or SPE109	3
<b>2</b>	<b>HISTORY</b>	<b>9</b>
	<b>1. American History Elective:</b> HIS203 US History I or HIS204 US History II Students having obtained an 85 or higher on the US History Regents exam have met the American History requirement and may select one <u><a href="#">SUNY Approved American History course</a></u>	3
	<b>*2. Western Civilization:</b> Select one: ART103, ART104, THE202, THE204	3
	<b>3. World Civilization:</b> Select one: <u><a href="#">SUNY Approved World Civilizations course</a></u>	3
<b>3</b>	<b>SOCIAL SCIENCE /HUMANITIES ELECTIVE</b>	<b>3</b>
	Select one: <u><a href="#">SUNY Approved Social Sciences course</a></u> or PHI103 **	
<b>4</b>	<b>MATH</b>	<b>7</b>
	MAT141 Calculus I	4
	MAT129 Statistics	3
<b>5</b>	<b>NATURAL SCIENCE</b>	<b>37</b>
	BIO115 General Biology 1	4
	BIO116 General Biology 2	4
	BIO117 Intro to Biotechnology	1
	BIO205 Genetics or PHY 121 or PHY 131**	4
	BIO206 Microbiology	4
	BIO207 Molecular and Cell Biology	4
	CHE101 General Chemistry 1	4
	CHE102 General Chemistry 2	4
	CHE201 Organic Chemistry 1	4
	CHE202 Organic Chemistry 2	4
<b>7</b>	<b>HEALTH/PE/REC</b>	<b>2</b>
	HED***, PED***, REC***	
	<b>TOTAL</b>	<b>67</b>
	<b>Reading and Math Proficiency Required</b>	
	<b>Minimum QPI: 2.00</b>	

Revised: 2/22/07, 8/7/08, 1/26/09, 2/20/09

**\*\* Check with transfer institution to determine their requirements**

\*ART103, ART104, THE202, and THE204 may be replaced by completing HIS104 or HIS105 and an approved SUNY General Education ARTS course. If you choose this option, depending on your major you may need additional credits beyond the stated degree requirements. You must complete a Curriculum Adjustment Form (Available from the Advisement Center).