

OUTCOMES BASED LEARNING MATRIX

Course: BIOL 240 Seminar in Biotechnology **Department:** Biology

Course Description: Students enrolled in the new Biotechnology Certificate will be required to register for the Seminar in Biotechnology. The seminar will include: (1) attendance at the monthly LATS seminar series, (2) resume writing and mock interview workshop, (3) safety in biotechnology research workshop, (4) site visit(s) to nearby life science companies, and (5) potential job-shadowing and internship opportunities. Participation in this seminar course will provide students the opportunity to meet representatives from local biotech companies, research potential internship sites, and educate themselves on how to obtain employment following graduation from Massasoit, while assessing if a position as a research technician/assistant is their carrier goal.

Prerequisites: A grade of 'C-' or higher in Biological Principles I (BIOL121) or successful performance on departmental challenge exam; Preparing for College Reading II (ENGL092); Introductory Writing (ENGL099); Intermediate Algebra (MATH 112) or higher, or waiver by placement testing results, or Departmental Approval.

The individual outcomes listed in the first column answer the question: **What must the learner know and be able to do at the end of the course?** Items in the third column should answer the question: **How do we know?** The second column is where teachers can be most creative; it's for pedagogy. Each rectangle in column one contains just one outcome; the corresponding rectangles in columns two and three, however, may contain more than one item.

The code indicates the core competencies being strengthened by the outcomes activities and the assessment tools.
Critical Thinking (CT); technology skills (TS); oral communications (OC); quantitative skills (QS); reading (R); writing (W).

COURSE OUTCOMES	OUTCOMES ACTIVITIES	ASSESSMENT TOOLS
<ul style="list-style-type: none"> • Attend all monthly LATS seminars 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •
<ul style="list-style-type: none"> • Attend the safety in biotechnology research workshop 	<ul style="list-style-type: none"> • 	
<ul style="list-style-type: none"> • Participate in the resume writing workshop Development and submission of an up-to-date resume 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •
<ul style="list-style-type: none"> • Participate in mock interview workshop(s) 	<ul style="list-style-type: none"> • 	
<ul style="list-style-type: none"> • Participate in at least one biotechnology company site-visit 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •
<ul style="list-style-type: none"> • Research potential internship sites 	<ul style="list-style-type: none"> • 	

