



# BIOTECHNOLOGY

Effective Date 1/1/12

## Articulation Agreement Between

North Coast Tech Prep Partnership and Cuyahoga Community College  
**Student Form**

### North Coast Tech Prep High Schools:

- Bedford City Schools
- Cloverleaf High School
- Parma City Schools
- Strongsville High School
- West Shore Career & Technical Education District

### **Leading to an Associate Degree at Cuyahoga Community College:**

For the purpose of this agreement, a Tech Prep student is defined as a student who is enrolled in and completed the prescribed program of study for grades 9-12. This program of study has been identified and approved by high school and college administrators and business and industry representatives as a curriculum that provides the students with the academic and technical competencies that have been developed through a Career Field Technical Content Standards Review Process or similar procedure. This process ensures a seamless learning progression of technical and academic skills from high school through college.

### **TO RECEIVE CREDIT THE STUDENT MUST:**

1. Complete the following Biotechnology pathway courses with a minimum grade of B on transcript in each: Honors Biology, Honors Chemistry (or equivalent course), Biotechnology. Student must have at least a grade of “B” in one of the following courses: Physics, second year Chemistry, or Pre-Calculus prior to graduation from high school. *\*If you have not met this requirement please see Requirements for Successfully Earning Articulated College Credit on page two of agreement.*
2. Earn a high school cumulative GPA of 2.0 or higher in grades 9 through 12.
3. Pass Algebra 2 (or equivalent) prior to graduation from high school.
4. Maintain 95% attendance in Tech Prep Program.
5. Submit a CCC application prior to graduation from high school.
6. Submit an Articulation Agreement, signed by the student and high school teacher, prior to graduation from high school.

### ARTICULATED CREDIT

Specific course(s) for which the student is eligible to receive:

<b>BIO 1500</b>	<b>Principles of Biology I</b>	<b>4 Semester Credits</b>
<b>CHEM 1010</b>	<b>Introduction to Inorganic Chemistry</b>	<b>4 Semester Credits</b>
<b>IT 1010</b>	<b>Introduction to Microcomputer Applications</b>	<b>3 Semester Credits</b>

### BRIDGE COURSE ARTICULATED CREDIT

NONE

### CERTIFICATION/TEST/REVIEW ARTICULATED CREDIT

Students must pass the final exam for Introduction to Biotechnology and Laboratory Skills for Biotechnology to receive:

<b>BIO 1700</b>	<b>Introduction to Biotechnology</b>	<b>3 Semester Credits</b>
<b>BIO 1710</b>	<b>Basic Laboratory Skills for Biotechnology</b>	<b>3 Semester Credits</b>

Students who successfully meet the requirements will receive the above credit to apply towards the Associate of Science Degree, Biotechnology Transfer Pathway or students may choose to earn any Associate Degree.

***CREDIT WILL BE TRANSCRIPTED UPON COMPLETION OF THE ABOVE CONDITIONS.***

The maximum Comparable Credit a student can receive is 30 semester credits as stated in the Cuyahoga Community College Comparable Credit Policy. The student has 1 year from date of high school graduation to complete the agreement process.

**\*Agreements are open for review on a yearly basis as deemed necessary by the high school or college, and are effective for June 2012 graduates from the approved College Tech Prep Programs listed on page one of this agreement.**

I do hereby certify that to the best of my knowledge the information given on this articulation agreement is complete, and that any misrepresentation may be cause for denial of articulated credit. I authorize each high school I have attended to release academic information to Cuyahoga Community College.

\_\_\_\_\_  
High School Tech Prep Program Name

\_\_\_\_\_  
Student Name (Print)

\_\_\_\_\_  
High School

\_\_\_\_\_  
Student Signature/date

\_\_\_\_\_  
Student Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip

\_\_\_\_\_  
High School Tech Prep Teacher Signature/Date

\_\_\_\_\_  
Student Social Security Number

**Requirements for Successfully Earning Articulated College Credit (Biotechnology)**

The following options (1-4) are available for a student who has not taken Honors Biology or Honors Chemistry. These options are only possible if the student has passed their non-Honors Biology or non-Honors Chemistry course with a minimum of a **B** grade. Option 5 is available for a student who has earned a "C" grade in a high school Biology or Chemistry pathway course (Honors or Non-Honors). **All options must be completed before graduation from high school.**

**Option 1**-Eligible students may contact the testing center and schedule to take the Chemistry 1010 placement test at Cuyahoga Community College's Eastern campus. Students must answer a minimum of 30 questions correct out of 42 to pass the test and receive credit. Students may only take this test one time.

**Option 2**-Eligible students may contact the College Entrance Examination Board's College Level Examination Program (CLEP) and successfully pass the General Biology and/or the Chemistry exam, whichever is applicable. This test is offered at Cleveland State University.

**Option 3**-Eligible students can choose to take an Advance Placement (AP) exam in a specific subject area and score 3 or higher. Students would have to take and successfully pass the Biology and/or Chemistry exam, whichever is applicable.

**Option 4**-Eligible students who meet the PSEO requirements can opt to enroll in and pass Biology 1500 and/or Chemistry 1010 at Cuyahoga Community College.

**Option 5 (Special Option)**-Students who have earned a **C** grade in a high school Biology or Chemistry pathway course (Honors or non-Honors) may still receive articulated credit by enrolling in and successfully passing Biology 1500 and/or Chemistry 1010 (whichever is appropriate) at Cuyahoga Community College.