Articulation Agreement
Between
St. Louis Community College
And
The Curators of the University of Missouri on behalf of
The University of Missouri – St. Louis

Biochemistry and Biotechnology

Overview:

This formal program articulation agreement is made and entered into by the Curators of the University of Missouri on behalf of the University of Missouri – St. Louis, hereinafter referred to as UMSL, and the Junior College District of St. Louis, herein after referred to as SLCC. By this agreement, SLCC and UMSL express a shared commitment to increasing opportunities for student access to and success in higher education. By clarifying transfer policies and procedures, which assure articulation between programs, the institutions seek to assist students by creating clear pathways to baccalaureate degree completion.

Purpose:

This 2+2 program agreement provides SLCC students the opportunity for the most efficient credit transfer to complete the UMSL Bachelor of Science degree in Biochemistry and Biotechnology.

Conditions of Transfer:

Section 1: Admissions and Matriculation

SLCC students maintaining continuous enrollment under this agreement will be afforded the same treatment and protection as UMSL students.

Criteria for acceptance into the UMSL undergraduate degree program will be the same for transfer as for UMSL students.

SLCC, upon request of students, will provide transcripts to UMSL through its Central office. The transcript of students transferring from SLCC will be evaluated by the UMSL Degree Audit System (DARS) office and the Biochemistry & Biotechnology Degree Program. Transfer students from SLCC will have access to financial aid, scholarships, and student services on the same basis as UMSL students.

Minimum grade standards for academic progress and graduation from SLCC will be subject to no further review by UMSL.
UMSL will apply the same academic progress and graduation standards to SLCC transfer students as those applicable to UMSL students.

SLCC and UMSL students must complete 27 hours of upper division coursework at UMSL to fulfill the BCBT baccalaureate requirement.

Section II: Transfer of Credit

A maximum of sixty-four (64) credit hours will be accepted by UMSL from SLCC to be applied to the Bachelor of Science in Biochemistry and Biotechnology.

NOTE: This course guide does not lead to an AAS degree in BCBT. To maximize this program plan, students must follow the plan with coursework as outlined.

Upon completing this 64 hour program plan with a minimum GPA of 2.0 on a 4.0 grade scale, SLCC students will be granted junior standing at UMSL.

SLCC transfer students who have completed the 200 level SLCC BIO 219 & BIO 220 will not have to take UMSL BIO 4614 but will have to take other courses to fulfill the degree requirement of 27 credit hours of upper division courses.

Section III: Program Plan

Students falling under this program articulation agreement will be responsible for successfully completing the following requirements.

Years 1/2 at SLCC (see 8 semester program plan sheet attached)
Total hours: 68-69

Years 3/4 at UMSL (see same program plan sheet)
Total hours: 58

Terms of Agreement:

This agreement is made and entered into in the academic year 2006-2007 and remains in force unless changed in writing by mutual agreement of both parties. The agreement may be amended at any time with the approval of both parties and is subject to regular review to assure currency with the respective degree requirements. Should either party desire to discontinue this agreement, advance notification of two years will be required.

Additional copies of this agreement may be requested through the UMSL Office of Transfer Services and Articulation, 225 MSC, 314.516.5162
Signatures:

The Junior College District of St. Louis, Missouri (SLCC) and the University of Missouri-St. Louis (UMSL) hereby enter into this program articulation leading SLCC students to the completion of the B.S. in Biochemistry and Biotechnology by affixing the signatures of the chief executive officers of both institutions.

Additional copies of the agreement may be requested from the UMSL Office of Transfer Services and Articulation, 225 MSC, 314-516-5162.

Henry D. Shannon, Ph.D  
Chancellor  
Junior College District  
St. Louis, MO

John Gianis, Ph. D  
Vice Chancellor of Education  
Junior College District  
St. Louis, MO

Thomas F. George, Ph. D  
Chancellor  
UM- St. Louis  
St. Louis, MO

Glen Hahn Cope, Ph.D  
Provost  
UM- St. Louis  
St. Louis, MO

10/19/06  
10/19/06
# UNIVERSITY OF MISSOURI-ST. LOUIS
# AND
# ST. LOUIS COMMUNITY COLLEGE

## COURSEWORK LEADING TO BACHELOR OF SCIENCE IN

### BIOCHEMISTRY AND BIOTECHNOLOGY

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>UMSL Equiv.</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLCC</td>
<td></td>
<td>SLCC</td>
</tr>
<tr>
<td>BIO 140 Principles of Biology I (4)</td>
<td><em>Biol 1811</em></td>
<td>Humanities (3)</td>
</tr>
<tr>
<td>CHEM 105 General Chemistry I (5)</td>
<td><em>Chem 1111</em></td>
<td>CHEM 106 General Chemistry II (5)</td>
</tr>
<tr>
<td>MTH 160 College Algebra (4) and</td>
<td><em>Math 1030</em></td>
<td>MTH 210 Analytic Geo &amp; Calc I (5)</td>
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<tr>
<td>MTH 170 Trigonometry (3)</td>
<td><em>Math 1035</em></td>
<td><em>or MTH 186 Survey of Calculus (4)</em></td>
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<tr>
<td>ENG 101 College Composition I (3)</td>
<td><em>Eng 1100</em></td>
<td>Social Science/CD (3)</td>
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Hours: (19)

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<tr>
<th>THIRD SEMESTER</th>
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<th>FOURTH SEMESTER</th>
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<tr>
<td>SLCC</td>
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<tr>
<td>BIO 219 Biotechnology I** (5)</td>
<td><em>Biol 2482/2483</em></td>
<td>**BIO 220 Biotechnology II (5)</td>
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<tr>
<td>BIO 218 Microbiology for Biotech. (4)</td>
<td><em>Chem 2612</em></td>
<td>CHEM 207 Organic Chemistry II (3)</td>
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<tr>
<td>CHEM 206 Organic Chemistry I (3)</td>
<td><em>Chem 2633</em></td>
<td>COM 101 Oral Communication (3)</td>
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<tr>
<td>CHEM 210 Organic Chemistry Lab (2)</td>
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<td>BIO 225 Genetics (5)</td>
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<td>State Requirement (3)</td>
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Hours: (17)

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<tbody>
<tr>
<td>UMSL</td>
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<tr>
<td>PHIL 2256 Medical Ethics (3)</td>
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<td>BIOL/Chem 4712 Biochemistry (3)</td>
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<tr>
<td>CHEM 3302 Physical Chem. for Life Sciences (3)</td>
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<td>BIOL 4713 Techniques in Biochemistry (2)</td>
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<tr>
<td>ENG 3100 Advanced Expository Writing (3) or</td>
<td></td>
<td>***CHEM 4733 Biochemistry Lab (2)</td>
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<tr>
<td>ENG 2160 Writing in the Sciences (3)</td>
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<td>Humanities (3)</td>
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<tr>
<td>CHEM 2223 Quantitative Analysis (3)</td>
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<td>Physics 1011 Basic Physics I (4)</td>
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Hours: (12)

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<tr>
<th>SEVENTH SEMESTER</th>
<th>UMSL Equiv.</th>
<th>EIGHTH SEMESTER</th>
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<tbody>
<tr>
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<tr>
<td>BIOL 3622 Cell Biology (3)</td>
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<td>BIOL 4602 Molecular Biology (3)</td>
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<td>Biochemistry/Biotechnology Elective+ (3)</td>
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<td>Biochemistry/Biotechnology Elective+ (4)</td>
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<tr>
<td>Physics 1012 Basic Physics II (4)</td>
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<tr>
<td>Elective (3)</td>
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Hours: (16)

NOTE: See back page for additional information.

Hours: (16)

To Total 120 hours
DEGREE NOTES:

*If Math 186 is selected, the student need only take Math 160.

All BCBT students must complete a total of 27 hours of upper-division courses to receive the BCBT degree from UMSL.

** SLCC BIO 220 satisfies the requirements of UMSL BIO 4614 and it will not have to be repeated; however, SLCC BIO 220 is not recognized as UMSL upper level credit for the purposes of meeting the program graduation requirement of 27 hours completed at the upper level. Students will have to take other upper division courses to fulfill the 27 hour requirement.

***If CHEM 4733 is selected, it must be taken during a Fall Semester.

+ Courses to be selected in consultation with student’s UM- St. Louis faculty advisor.

Min. 120 hours required for the BS in Biochemistry & Biotechnology

Students completing an Associate in Arts or an Associate in Applied Science degree from a Missouri community college that includes a CBHE approved general education core will be allowed transfer credit of more than 64 hours only if the additional lower division credits are applicable to the baccalaureate degree or are prerequisites for upper division courses in the major.

Maximum of 60 hours may transfer without AA

Please seek advisement from your SLCC Academic Advisor for assurance of AA completion

CONTACT INFORMATION:

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER
SLCC-Florissant Valley-Maya Scruggs, UM-St. Louis Transfer Coordinator, First Floor Administration Bldg., 314-513-4260

SLCC-Forest Park-Maya Scruggs, UM-St. Louis Transfer Coordinator, Student Center E228, 314-644-9729

SLCC-Meramec-Krystal Lang, UM-St. Louis Transfer Coordinator, Counseling & Advising, 201 Clark Hall, 314-984-7575

For additional information, contact Wesley Harris in the UM-St. Louis Chemistry and Biochemistry Department, 320 Benton Hall, 314-516-5331, harriswr@umsl.edu or Marc Spingola in the UM-St. Louis Biology Department, 242 Research Bldg, 314-516-6749, spingolam@umsl.edu.