Associate of Arts Degree to BS in Biology

St. Charles Community College students who plan to transfer to Truman State University with the Associate of Arts degree are strongly encouraged to prepare for transfer by completing the courses listed below. By following this plan for degree completion, students are assured that they will be able to transfer without loss of credit or duplication of courses, that they will complete prerequisites for later course work, and that they will be prepared to make a smooth transition from St. Charles to Truman.

Students who complete the Associate of Arts degree will fulfill the Essential Skills, Modes of Inquiry, Truman Week, and Intercultural requirements of Truman’s Liberal Studies Program. Transfer students must fulfill all other degree requirements that are required of native Truman students.

Students who do not complete the courses as listed on this plan or who transfer without the Associate of Arts degree will have their coursework evaluated and applied to degree requirements on a course-by-course basis.

Students are recommended to complete the following courses to fulfill requirements for their Associate of Arts degree at St. Charles Community College:

Communication – 9 credit hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENG 102</td>
<td>English Composition II</td>
</tr>
<tr>
<td>SPE 101</td>
<td>Oral Communication</td>
</tr>
</tbody>
</table>

Social Science – 9 credit hours

- Complete one course from Group I, and one course from Group II. Select the third course from Group I, II, or III. Students must fulfill the state statute requirements for the United States and Missouri Constitutions.

  Group I
  - HIS 101  U.S. History to 1877
  - HIS 102  U.S. History Since 1877
  - HIS 115  U.S. History Since 1945 (elective at Truman but does fulfill MO Statute)
  - HIS 270  History of Missouri
  - POL 101  American Government
  - POL 102  State and Local Government

  Group II
  - ANT xxx  Any ANT course
  - CRJ 140  Introduction to Criminal Justice System
  - ECO 100  Survey Economics
  - ECO 110  Principles of Macroeconomics
  - ECO 120  Principles of Microeconomics
  - GEO xxx  Any GEO course
  - PSY 101  Introduction to Psychology
  - SOC 101  Introduction to Sociology
SOC 102  Introduction to Sociological Theory

**Group III**
One additional course from Group I or II

**OR**

HIS xxx  Any HIS course
POL xxx  Any POL course

**Humanities – 9 credit hours**

**Complete one course from Group I, one course from Group II, and one additional course from Group I or Group II.**

**Group I**

ART 101  Art Appreciation
ART 150  Survey of Western Art History I: Prehistory to End of the Middle Ages
ART 151  Survey of Western Art History II: Renaissance to the Twentieth Century
ART 160  Art History II (formerly called Modern and Contemporary Art History)
ART 170  Design I
MUS 110  American Music Appreciation (elective but Fine Art Mode at Truman)
MUS 111  Music Appreciation
MUS 112  Jazz Appreciation
MUS 234  Jazz History
THE 122  Introduction to the Theater

**Group II**
Taking two courses in the same foreign language will apply toward the foreign language requirement for the Biology major.

FL xxx  Any FL course
LIT xxx  Any LIT course
PHL xxx  Any PHL course

**Multicultural/Valuing – 3 credit hours**

**Complete one course from the following:**

FL 101  Foreign Language and Culture I
FL 102  Foreign Language and Culture II
FL 201  Foreign Language and Culture III
FL 202  Foreign Language and Culture IV

**OR**

ANT 102  Intro to Cultural Anthropology
ANT 151  World Archaeology
ANT 202  Current Debates in Anthropology
ESL 102  ESL: Intermediate Composition for Non-Native Speakers
GEO 100  Principles of Geography
HIS 145  Western Civilization, Ancient and Medieval Heritage
HIS 146  Western Civilizations, Modern European Heritage
LIT 200  World Mythology
LIT 271 Contemporary Voices of Global Literature
LIT 272 World Literature: Ancient World Through the Renaissance
LIT 273 World Literature: Enlightenment to the 20th Century
MUS 111 Music Appreciation
PHL 201 World Religion
POL 201 International Relations
POL 210 Comparative Politics
POL 255 European Politics and Culture

Mathematics – 5 credit hours

MAT 180 Calculus and Analytic Geometry I

Natural Science – 9 credit hours

Complete one course from Group I, and one course from Group II.
**Although only one lab is required for the AA degree, this major requires labs with both sciences to meet the major requirements at Truman.

Group I
BIO 101/103 General Biology I and Lab
OR
BIO 150 General Biology I and Lab

Group II
CHM 110/113 General Chemistry I and Lab
OR
CHM 115 General Chemistry I

Computer Literacy Requirement – 3 credit hours

Complete one course from the following:
BAS 103 Microcomputer Applications
CPT 103 Microcomputer Applications
CPT 115 Introduction to Data Processing
EDU 220 Educational Technology

Capstone – 1 credit hour

COL 299 Sophomore Portfolio Assessment

Transferable Major Field Requirements – 19+ credit hours
From the following courses, choose courses to total 64 credits for the degree.

BIO 102/104 General Biology II and Lab
OR
BIO 151 General Biology II
CHM 111/114 General Chemistry II and Lab
OR
CHM 116 General Chemistry II

MAT 175 Introductory Statistics

Satisfactorily complete the first year of a single foreign language (Language and Culture II), or demonstrate elementary proficiency as determined by a CLEP examination.
FL 102 Foreign Language and Culture II

Total credits required for the Associate of Arts degree: 64

After completing the Associate of Arts degree at St. Charles Community College, students will then complete the following courses at Truman State University to earn the Bachelor of Science degree in Biology. Students may transfer any of the following 100-200 level equivalent coursework from SCC provided the 28 hours residency requirement, the 45 hours of Truman coursework, and the major hour requirements for Truman are met.

Junior Interdisciplinary Writing-Enhanced Seminar (JINS) – 3 credit hours

Bachelor of Science Requirements – 8 credit hours

CHEM 329 Organic Chemistry I
CHEM 330 Organic Chemistry I Lab
CHEM 331 Organic Chemistry II
CHEM 332 Organic Chemistry II Lab
**CHEM 333 Organic Chemistry Superlab may be substituted for CHEM 330 and CHEM 332.

Required Support – 8 credit hours

PHYS 185 College Physics I
PHYS 186 College Physics II

Major Requirements – 17 credit hours

BIOL 200 Cell Biology
BIOL 300 Genetics
BIOL 301 Introduction to Ecology
BIOL 315 Physiology
OR
BIOL 405 Plant Physiology
BIOL 545 Senior Seminar
OR
Successful completion of one of the following:
Graduate Seminar I within Truman’s accelerated masters program in biology
Truman departmental honors in biology
Approved July 11, 2012

Developing and precepting a Truman Student-Initiated Course approved by biology faculty
Significant scholarly experience* approved by a committee of biology faculty.
*Application to replace the Senior Seminar requirement with a significant scholarly experience must be submitted at least six months prior to planned graduation date.

**Biology Major Electives – 15 credit hours**
Select a minimum of 15 hours of BIOL courses (see BIOL course descriptions for exceptions.) CHEM 421 Biochemistry may be used as a biology elective.

**Writing Enhanced Requirement**
Complete at least two additional courses at Truman, in addition to the JINS course, that are listed as Writing-Enhanced. These courses may be used to fulfill other requirements.

**Total credits required for the Baccalaureate of Science degree: 120**

**Additional Information:**

A Biology major must achieve at least a “C” grade in each of the following courses: BIOL 107, 108, 145, 200, 300, 301, 315 or 405, and 545. A minimum GPA of 2.0 is required for all mathematics, statistics, computer science, chemistry, and physics support courses for both the BA and BS degrees, all biology electives applied to the 15 hours of biology electives for the BS degree, and all courses in the learning plan and foreign language courses for the BA degree. Completion of all of these courses is very strongly recommended prior to enrollment in BIOL 545 in the senior year.

All biology majors must score at or above the 20th percentile on the nationally-normed senior exam (MFAT). Majors are encouraged to take this exam early in the spring semester of their senior year.

Minimum GPA Required: 2.0
Residency Requirements: For a Truman degree, at least 45 hours of credit must be completed in residence at Truman, including at least 15 hours of coursework in the major. In addition, the last 28 hours applied toward the degree must be completed in residence at Truman. Students must also complete at least 40 hours at 300-level or above.

SCC Contact: Student Development Office, 636-922-8241 or 8246
Truman Contact: Erin Shaw 660-785-5146, Kimberly Titus 660-785-4143, or Dr. Michael Kelrick, 660-785-4597
Location: Kirksville, Missouri