Arizona Transfer Admissions Pathway  
Bachelor of Science—Biology (Bioinformatics)  
Mohave Community College  
2013-2014

To qualify for the Biology (Bioinformatics) Transfer Admissions Pathway, a Mohave Community College student enrolled in the Associate of Science Life Science program must:

- Submit an undergraduate application for admission form to University of Arizona during the university’s application filing period for acceptance, at least one semester in advance of transfer, and otherwise qualify for admission.
- Satisfy a department writing requirement if that student did not earn a grade of “B” or better in 1st and 2nd semester English Composition.
- Satisfactorily complete all Mohave Community College graduation requirements for the Associate of Science Life Science prior to the date the student intends to transfer to the university; otherwise, transcripts will be evaluated on a course-by-course basis.
- Check the current UA Schedule of Classes to confirm course availability and class prerequisites because the Biology (Bioinformatics) core courses may have prerequisite requirements and may not be offered in both Fall and Spring semesters at the University.

<table>
<thead>
<tr>
<th>SEMESTER ONE</th>
<th>SEMESTER TWO</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Title</strong></td>
<td><strong>Course Number</strong></td>
</tr>
<tr>
<td>First Year Composition</td>
<td>ENGL 101</td>
</tr>
<tr>
<td>General Education/Social Sciences</td>
<td>INDV 1XX</td>
</tr>
<tr>
<td>General Chemistry I</td>
<td>CHEM 151</td>
</tr>
<tr>
<td>Calculus I</td>
<td>MATH 122A &amp; 122B</td>
</tr>
<tr>
<td>General Education/Social Sciences</td>
<td>INDV 1XX</td>
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</table>

Semester One Total Units: 18  
Semester Two Total Units: 17  

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<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Number</th>
<th>Units</th>
<th>SUN #*</th>
<th>Course Number</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>General Education/Science</td>
<td>NATS 1XX</td>
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<td>BIO 1182</td>
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<tr>
<td>Introductory Physics I</td>
<td>PHYS 102 &amp; PHYS 181</td>
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<td>PHY 111</td>
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<tr>
<td>First Semester Foreign Language</td>
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<tr>
<td>Organic Chemistry with Lab I</td>
<td>CHEM 243A &amp; 241A</td>
<td>4</td>
<td>CHM 2235</td>
<td>CHM 235</td>
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**SEMESTER FOUR**

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<th>Units</th>
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<tbody>
<tr>
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<td>102</td>
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<td>Organic Chemistry with Lab II</td>
<td>CHEM 243B &amp; 241B</td>
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<td>CHM 2236</td>
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<tr>
<td>Introductory Physics II</td>
<td>PHYS 103 &amp; PHYS 182</td>
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<td>PHY 1112</td>
<td>PHY 112</td>
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<tr>
<td>General Education/Humanities</td>
<td>TRAD 1XX</td>
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<td>Satisfied by AGEC‡</td>
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**SEMESTER FIVE**

<table>
<thead>
<tr>
<th>Course Title</th>
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<th>SUN #*</th>
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<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Introduction to Computer Science</td>
<td>CSC 127A</td>
<td>3</td>
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<tr>
<td>Elective</td>
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<tr>
<td>Introduction to Statistics &amp; Biostats</td>
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<td>Genetics</td>
<td>ECOL 320</td>
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### SEMESTER SIX

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<tr>
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</thead>
<tbody>
<tr>
<td>Introduction to Computer Science</td>
<td>CSC 127B</td>
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</tr>
<tr>
<td>Evolutionary Biology</td>
<td>ECOL 335</td>
<td>4</td>
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<tr>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Major Elective (Science &amp; Society</td>
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<td>3</td>
</tr>
<tr>
<td>Course)</td>
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</tr>
<tr>
<td>Foundations in Biochemistry</td>
<td>BIOC 384</td>
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Total: 16 units

### SEMESTER SEVEN

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<tbody>
<tr>
<td>Ecology</td>
<td>ECOL 302</td>
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<tr>
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<td>ECOL 453/553 or ECOL 326</td>
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<tr>
<td>Introduction to Differential</td>
<td>MATH 254</td>
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<tr>
<td>Equations</td>
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<tr>
<td>Major Elective (Cell &amp; Molecular</td>
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<td>Course)</td>
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Total: 14 units

### SEMESTER EIGHT

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<tr>
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<tbody>
<tr>
<td>Population Genetics</td>
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<td>3</td>
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<tr>
<td>Molecular Phylogenetics</td>
<td>ECOL 596U</td>
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<tr>
<td>Directed Research</td>
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<tr>
<td>Major Elective (Cellular or</td>
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<tr>
<td>Molecular Biology)</td>
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<tr>
<td>Elective</td>
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Total: 14 units
†SUN numbered courses are “Shared Unique Numbers” across Arizona community colleges and universities that have equivalents at least three Arizona community colleges and all three state universities. For more information, visit http://aztransfer.com/aztransfer/sun/index.html.
‡For a list of AGEC (Arizona General Education Curriculum) courses in the Mohave Community College District, please visit http://www.mohave.edu/documents/accreditation/Evidence/Chapter%207_Criterion%20Four/4b/4b.8.agecs.pdf.

120 credits required for a bachelor’s degree.

For complete UA baccalaureate requirements see: http://degreesearch.arizona.edu/plan/127779.

To contact a Biology advisor, see http://advising.arizona.edu/node/95.