The Arizona resident applicant for transfer admission must meet competency requirements and have a cumulative grade point average (GPA) of 2.00 on a four-point (A) scale in all college level work and be in good standing and eligible to return to the last institution attended. Students who have less than 24 semester transfer credits must also meet competency requirements. Arizona residents who have completed an Arizona General Education Curriculum (AGEC) or an associate degree with a minimum 2.00 GPA in the AGEC or associate degree are exempt from admission requirements. A maximum of 64 semester credit hours will be accepted when transferred from community colleges; all transferable community college credits are accepted as lower-division credits and do not satisfy upper-division General Studies or graduation requirements.

For more information, call or write:
(602) 965-7195
Associate Chair for Undergraduate Mathematics
Department of Mathematics
Arizona State University
Tempe, Arizona 85287-1804

COLLEGE OF LIBERAL ARTS AND SCIENCES (CLAS) ADMISSION CRITERIA

General University requirements satisfy the admission requirements of this program.

ASU

Transfer value of a course, including General Studies value, is governed by the Course Equivalency Guide (CEG) in force at the time the course is taken. Summer session is included with the previous academic year.

Community college courses which are equivalent in content to upper division courses at ASU will be transferrable as equivalent but with lower division credit. The course need not be repeated but will not count toward the required number of upper division credit hours.

MCCCD

FIRST YEAR COMPOSITION (3-6)

ENG 101 & 102  First-Year Comp
or
ENG 105 Adv First-Year Comp
or
ENG 107 & 108 Eng Foreign Students

ENG 101 & 102 First-Year Composition

No MCCCD equivalent

ENG 107 & 108 Eng for Speakr Othr Lang

GENERAL STUDIES REQUIREMENTS/COLLEGE DISTRIBUTION REQUIREMENTS

Students completing the Transfer General Education Core Curriculum (TGECC) will still be required to fulfill lower division program requirements and prerequisites within their college and major/minor area of study. In all cases, students have the responsibility for selecting general education coursework that is relevant to the requirements of their intended major and degree.

Select credits from CEG General Studies Insert as follows: 3 L1 credits (those that transfer as ENG, GPH, PHI, PSY or DEC(REL) are recommended), 9 HU credits (except those that transfer as ASB 222, FRE 205, LAT 201, LAT 202, DEC(WST) and "E") (maximum 6 hours from those that transfer as ARS, DAH, MUS, THE), 9 SB credits (except those that transfer as ASM, CDE 232, COM, JUS, REC, "E" and MCCCD's CFS 157), 3 C 6 credits (except those that transfer as COM, MCE and "E"), 3 G credits (except those that transfer as COM and "E"), and 3 H credits (except those that transfer as INT, SWU and "E"). Additional and/or mandated General Studies requirements, if any, are listed in the Major Requirements section with designation in brackets.

COLLEGE PROFICIENCY REQUIREMENTS

Requires knowledge of a second language equivalent to the completion of two years study at the college level. Courses in American Sign Language also satisfy the requirement. (See the 1998-99 Catalog for further information.) Select language courses that transfer to ASU at the 101, 102, 201, 202, 203, 204 and/or 205 level, or courses that transfer to ASU as SHS 174, SHS 175, SHS 274 and SHS 275.
**Mathematics**

### ASU

**MAJOR REQUIREMENTS (for BS only)**

While still a student at a MCCCD college, contact the department academic advisor. Only those required courses which have MCCCD course equivalents are listed below. The major consists of at least 42 semester hours in mathematics and additional course work in closely related fields, to be approved by an ASU advisor, for a total of at least 55 semester hours. There are 5 options available. All require the following:

<table>
<thead>
<tr>
<th>ASU</th>
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<td>CSE 100</td>
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<td>MAT 291</td>
<td>MAT 221</td>
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</table>

*The calculus sequences (MAT 220, MAT 231 & MAT 241) or (MAT 220, MAT 230 & MAT 241) or (MAT 221, MAT 231 & MAT 241) or (MAT 221, MAT 230 & MAT 241) transfer to ASU as either (MAT 270, MAT 271 & MAT 272) or (MAT 290 & MAT 291). Course by course equivalency may be granted to MAT 270, MAT 271 & MAT 272. However, to assure continuity of instruction, completion of an entire sequence at one institution is recommended.*

### GENERAL OPTION

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<td>MAT 274</td>
<td>MAT 262</td>
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### PURE OPTION

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<th>ASU</th>
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<td>CSE 200</td>
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<tr>
<td>MAT 274</td>
<td>MAT 262</td>
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</tbody>
</table>
### Mathematics

#### Applied Option

**ASU**
- CSE 100 Principles of Programming [N3]
- CSE 200 Concepts of Computer Science [N3]*
- CSE 210 Data Structures and Algorithms I [N3]*

*The CSE 200-210 sequence is recommended.

**MCCCD**
- CSC 100 Intro to Computer Science
- CSC 100AA Intro Computer Science
- CSC 150 Programming in C/C++
- CSC 150AA Programming in C/C++
- CSC 200 Princ of Comp Sci
- CSC 200JA Principles Computer Sci
- CSC 200JB Principles Computer Sci
- CSC 210 Data Struct/Algorithms
- CSC 210JA Data Struct & Algorithm
- CSC 210JB Data Struct & Algorithm

#### Computational Option

**ASU**
- CSE 200 Concepts of Computer Science [N3]*
- CSE 210 Data Structures and Algorithms I [N3]*

*The CSE 200-210 sequence is strongly recommended.

**MCCCD**
- CSC 200 Princ of Comp Sci
- CSC 200JA Principles Computer Sci
- CSC 200JB Principles Computer Sci
- CSC 210 Data Struct/Algorithms
- CSC 210JA Data Struct & Algorithm
- CSC 210JB Data Struct & Algorithm

#### Statistics and Probability Option

**ASU**
- MAT 274 Elem Diff Equations [N1]
- PHY 121 Univ Physics I: Mech [S1/S2] &
- PHY 122 Univ Physics Lab I [S1/S2] &
- PHY 131 Univ Physics II: Elec and Magnetism [S1/S2] &
- PHY 132 Univ Physics Lab II [S1/S2]

**MCCCD**
- MAT 262 Differential Equations
- PHY 115 University Physics I &
- PHY 116 University Physics II
- PHY 121 Univ Physics I:Mechanics &
- PHY 131 Univ Physics II:Elec/Magnetsm

**ASU**
- MAT 243 Discrete Math Struct
- MAT 274 Elem Diff Equations [N1]

**MCCCD**
- MAT 227 Discrete Math Structures
- MAT 262 Differential Equations

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No MCCCD equivalents to ASU courses for this option.
**ASU**

**MAJOR REQUIREMENTS (for BA only)**

While still a student at a MCCCD college, contact the department academic advisor. Only those required courses which have MCCCD course equivalents are listed below.

The major consists of at least 36 semester hours in mathematics and additional course work in closely related fields, to be approved by the ASU advisor, for a total of at least 51 semester hours.

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<tr>
<td>CSE 183 Applied Prob Solving with Fortran [N3]</td>
<td>CSC 183 Apped Prob Solv Fortran</td>
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<tr>
<td>MAT 270 Cal/Analytic Geo I [N1] &amp;</td>
<td>MAT 220 Analytic Geom &amp; Calc I</td>
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<tr>
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<td>MAT 221 Calc Analytic Geom I</td>
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<td>MAT 272 Cal/Analytic Geo III [N1]</td>
<td>MAT 230 Analytic Geom &amp; Calc II</td>
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<tr>
<td>or MAT 290 Calculus I [N1] * &amp;</td>
<td>MAT 231 Calc Analytic Geom II</td>
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</table>

Approved by Dr. Eric J. Kostelich

Associate Chair for Undergraduate Programs

Dr. Leonard Gordon

Associate Dean for Academic Programs

College of Liberal Arts and Sciences

1. Although a course may satisfy a core area requirement and an awareness area requirement concurrently, a course may **not** be used to satisfy requirements in two core areas simultaneously, even if approved for those areas. A course may satisfy two awareness areas concurrently.