

Arizona State University

ASU Main Campus

1999-2000 TRANSFER GUIDE

FOR EASTERN ARIZONA COLLEGE

Bachelor of Science or Arts

Mathematics

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:

(480) 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.

Transfer value of a course, including General Studies values, is governed by the Course Equivalency Guide in force at the time the course is taken. Summer session is indicated with the previous academic year. Community college courses which are equivalent in content to upper division courses at ASU will be transferable as equivalent but with lower division credit. The course should not be repeated but will not satisfy upper division credit requirements.

FIRST YEAR COMPOSITION (3-6)

ASU

ENG 101 & 102 First-Year Comp

or

ENG 105 Adv First-Year Comp

or

ENG 107 & ENG 108 Eng Foreign Students

EAC

ENG 101 & 102 Written Communications

No EAC equivalent

No EAC equivalent

GENERAL STUDIES REQUIREMENTS/COLLEGE DISTRIBUTION REQUIREMENTS¹

Students completing the Arizona General Education Curriculum (AGEC) 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 or PSY are recommended), 9 HU credits (except those that transfer as ASB or COM) (maximum 6 hours from ARS, MUS, THE), 9 SB credits (except those that transfer as ASM, COM and JUS), 3 C credits (except those that transfer as JUS), 3 G credits (except those that transfer as ERS), and 3 H credits (except those that transfer as SWU). 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 current 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.

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MAJOR REQUIREMENTS (for BA only)

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

ASU

CSE 100 Principles of Programming [N3]

or

CSE 183 Applied Prob Solving with Fortran [N3]

or

CSE 200 Concepts of Computer Science [N3]

MAT 270 Cal/Analytic Geo I [N1]

MAT 271 Cal/Analytic Geo II [N1]

MAT 272 Cal/Analytic Geo III [N1]

Comment: Course by course equivalency may be granted to MAT 270, MAT 271 & MAT 272. However, to ensure continuity of instruction, completion of an entire sequence at one institution is recommended.

The following courses can be used for this degree, but are not required.

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 & Magntsm [S1/S2] &

PHY 132 Univ Physics Lab II [S1/S2]

EAC

CMP 104 Intro Comp Science I

or

CMP 130 C Programming I

CMP 210 Fortran

or

EGR 210 Computer Programming

No EAC equivalent

MAT 220 Calculus I

MAT 230 Calculus II

MAT 240 Calculus III

MAJOR REQUIREMENTS (for BS only)

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

CSE 100 Principles of Programming [N3]

or

CSE 183 Applied Prob Solving with Fortran [N3]

or

CSE 200 Concepts of Computer Science [N3]

MAT 270 Cal/Analytic Geo I [N1]

MAT 271 Cal/Analytic Geo II [N1]

MAT 272 Cal/Analytic Geo III [N1]

CMP 104 Intro Comp Science I

or

CMP 130 C Programming I

CMP 210 Fortran

or

EGR 210 Computer Programming

No EAC equivalent

MAT 220 Calculus I

MAT 230 Calculus II

MAT 240 Calculus III

Comment: Course by course equivalency may be granted to MAT 270, MAT 271 & MAT 272. However, to ensure continuity of instruction, completion of an entire sequence at one institution is recommended.

The following courses can be used for this degree, but are not required.

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 & Magntsm [S1/S2] &

PHY 132 Univ Physics Lab II [S1/S2]

MAT 260 Differential Equations

PHY 211 Physics with Calculus

PHY 212 Physics with Calculus

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ASU

EAC

COMPUTATIONAL MATHEMATICAL SCIENCE CONCENTRATION

CSE 200 Concepts of Computer Science [N3]
CSE 210 Data Structures & Algorithms I [N3]

No EAC equivalent
No EAC equivalent

MAT 270 Cal/Analytic Geo I [N1]
MAT 271 Cal/Analytic Geo II [N1]
MAT 272 Cal/Analytic Geo III [N1]
MAT 274 Elem Diff Equations [N1]

MAT 220 Calculus I
MAT 230 Calculus II
MAT 240 Calculus III
MAT 260 Differential Equations

Comment: Course by course equivalency may be granted to MAT 270, MAT 271 & MAT 272. However, to ensure continuity of instruction, completion of an entire sequence at one institution is recommended.

PHY 121 Univ Physics I:Mech [S1/S2] &
PHY 122 Univ Physics Lab I [S1/S2]
PHY 131 Univ Physics II:Elec & Magntsm [S1/S2] &
PHY 132 Univ Physics Lab II [S1/S2]

PHY 211 Physics with Calculus
PHY 212 Physics with Calculus

The following courses can be used for this degree, but are not required.

CHM 113 General Chemistry [S1/S2]
CHM 116 General Chemistry [S1/S2]

CHM 151 General Chemistry I
CHM 152 General Chemistry II

Approved by Dr. John Jones Date
Associate Chair for Undergraduate Programs

Dr. Leonard Gordon Date
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.