



ARIZONA BOARD OF REGENTS

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June 10, 1998

The Honorable Russell Bowers, Chair
Joint Legislative Budget Committee
1716 West Adams
Phoenix, Arizona 85007

Dear Senator Bowers:

It is with a continuing sense of accomplishment that we forward the attached semi-annual report of the Joint Conference Committee regarding the progress made on the "New Model and Support Services for Transfer Students in Arizona." We submit this to the Joint Legislative Budget Committee in partial fulfillment of the required semi-annual reports due in June and December, 1998.

The attached report provides an update on the progress toward implementation of the recommendations contained in the *1996 Report of the Transfer Articulation Task Force*. Progress has been made in several areas. These include:

- An implementation date for the new degrees and Arizona General Education Curricula (AGEC) has been set for January 1, 1999. Each of the community colleges has worked to have the new transfer degrees and AGEC ready for students by this date. Many will have the information in the 1998-99 catalogs which will be available this summer. The universities are working to ensure that policies and procedures are in place to support the smooth transfer of students who complete either the AGEC or an Associate Degree.
- There has been continued activity to fully implement the Arizona Transfer Articulation Support Services (ATASS). Staff positions have been filled for the Articulation Facilitator and the Course Applicability System analyst. The demonstration project for the Course Applicability System is underway. Full implementation is anticipated in Spring, 1999. The Statewide Data Warehouse is underway with full implementation scheduled for June, 1999.

The Transfer Articulation Task Force has met twice during the last six months. This group continues to provide significant support to the process by monitoring the implementation of the transfer articulation process. This oversight and support is outlined in the report as:

- Establishing a definitive timeline for full implementation of the new transfer degrees
- Establishing a definition for “General Electives” which will be accepted by all institutions and limit the possibility for students to lose credits when transferring
- Support of the new Criteria for Upper/Lower-Division Courses as recommended by the Academic Program Articulation Steering Committee
- Support for the continuation and expansion of the Arizona Transfer Articulation Support Services.
- Support for the coordination of information during the initial phase of implementation through the efforts of the community college and university administrators.

We thank you for the support through State funding provided for ATASS which will provide for a smoother process for transfer students in Arizona. We anticipate a demonstration of the ATASS systems (the Course Applicability System and the Statewide Data Warehouse) as part of the December report and presentation. We look forward to the opportunity to discuss these matters with you and the Joint Legislative Budget Committee.

Sincerely,



T.O. Beach
Co-Chair, Joint Conference Committee
Chair, SBDCCA



Judith A. Gignac
Co-Chair, Joint Conference Committee
ABOR President-elect

Attachment

C: Mr. Richard Stavneak, Director, JLBC
Members, Arizona Board of Regents
Members, State Board of Directors for Community Colleges

**PROGRESS REPORT
ON THE
NEW MODEL AND SUPPORT SERVICES
FOR
TRANSFER STUDENTS IN ARIZONA**

**JOINT CONFERENCE COMMITTEE
OF THE
ARIZONA BOARD OF REGENTS
AND THE
STATE BOARD OF DIRECTORS FOR
COMMUNITY COLLEGES OF ARIZONA**

**DRAFT
JUNE 1, 1998**

**This report was approved by the Arizona Board of Regents at its meeting on May 21 -22, 1998
and reviewed by the State Board of Directors for Community Colleges
with anticipated approval at its meeting on June 19, 1998.**

JOINT CONFERENCE COMMITTEE

1998

*A joint committee
of the
Arizona Board of Regents
and the
State Board of Directors for Community Colleges of Arizona*

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PROGRESS REPORT ON THE NEW MODEL AND SUPPORT SERVICES FOR TRANSFER STUDENTS IN ARIZONA

EXECUTIVE SUMMARY

In 1996, the Arizona Board of Regents and the State Board of Directors for the Community Colleges of Arizona formed the Transfer Articulation Task Force, at the direction of the Arizona State Legislature, to establish a seamless statewide articulation and transfer system. The Legislature requested a semi-annual report from the Task Force, due June 15 and December 15, 1998. This report is provided to comply with the request and to provide an update on the significant progress made toward the goal of seamless transfer for students in Arizona.

The current status of each of the elements of the new transfer model and the new support systems is outlined below in Table 1. The date for implementing the new transfer degrees has been set for January 1, 1999. The management and technical systems necessary to support the implementation are complete or in progress in conjunction with the January date. The progress made in the last six months continues under the oversight of the two boards as exercised through their Joint Conference Committee (JCC) and the joint Academic Program Articulation Steering Committee.

TABLE 1: Implementation of New Transfer Model and Services

COMPONENT	IMPLEMENTATION STATUS
New Transfer Model:	Full Implementation January 1, 1999
Transfer Credit Limits	100% Complete
Transfer Degrees	Full implementation by January, 1999
Common Major Requirements - Minimum of 6 credit hours - As many as possible	100% Complete On-going - average # of credits for common courses is 14.5
Transfer Blocks for - General Education - Major Requirements - Associate Degrees	100% Complete 100% Complete Full implementation by January, 1999
Pathways for Transfer	Full implementation by January, 1999
New Support Services	Full Implementation June 30, 1999
Management System	In progress, Articulation Facilitator hired Anticipated Completion, Spring, 1999

Advising System	In progress; completion dependent upon availability of resources
ATASS (computer-based information systems) - Course Applicability System - Student Information/Data Warehouse	Demonstration project scheduled: June, 1998 Full state-wide implementation scheduled June, 1999 Demonstration project scheduled: Jan., 1999 Full statewide implementation scheduled: June , 1999

BACKGROUND

In 1996, the Transfer Articulation Task Force, a joint community college/university study committee, was formed at the direction of the Arizona State Legislature. In November 1996, the task force produced a landmark report which presents a new model for transfer programs and recommends a new system of transfer services to support that model. The *Report of the Transfer Articulation Task Force* was approved by the Joint Conference Committee, by the Arizona Board of Regents and the community college State Board, and on December 4, 1996, it was accepted by the Joint Legislative Budget Committee.

A progress report was provided to the Joint Legislative Budget Committee on December 15, 1997. This report followed the structure of the recommendations in the *Report of the Transfer Articulation Task Force*. It described the accomplishments of the Academic Program Articulation Steering Committee and the Joint Conference Committee, which were given the responsibility for implementing the recommendations of the Task Force report. On December 18, 1997, the Joint Legislative Budget Committee reviewed and approved the progress report. At that time, the Committee requested a semi-annual report from the Task Force on their success and progress toward achieving the goal of "seamless" transfer articulation.

This report is submitted in fulfillment of the Committee request and recommendations. It provides an update which includes the accomplishments of the Academic Program Articulation Steering Committee and the Joint Conference Committee. Specifically, a definitive timeline for the implementation of the new transfer degrees is provided. The report also provides an update on the progress of the implementation of the new transfer degrees and the Arizona Transfer Articulation Support Systems (ATASS).

DEFINITIVE TIMELINE FOR IMPLEMENTATION OF NEW TRANSFER MODEL AND SERVICES.

The timeline outlined in Attachment A represents the plan of the Transfer Articulation Task

Force (TATF) to set clear deadlines for implementation of the new transfer model and new transfer support services originally proposed in the 1996 TATF Report. The timeline is organized to account for each element of the report.

A legislative budget footnote requires a definitive timeline for reaching consensus on an agreement that assures that community college students may transfer to Arizona public universities without loss of credit towards a baccalaureate degree. An implementation date of January 1999 for the new degrees which assure the "seamless" transfer has been proposed by the Arizona Community College Presidents Council and approved by the Task Force. This modified footnote now reads:

"The Arizona Board of Regents (ABOR) and the State Board of Directors for Community Colleges (State Board) shall continue the Transfer Articulation Task Force comprised of university and community college members who are representatives of faculty, academic administration, student services and the chief executive offices. It is the intent of the Legislature that the Task Force meet quarterly to continually improve the statewide articulation and transfer system, including the process for transfer of lower division general education credits, general elective credits, and curriculum requirements for majors with January 1, 1999 timeline for implementing an agreement that assures that community college students may transfer to Arizona public universities without loss of credit towards a baccalaureate degree. The ABOR and the State Board shall present a semi-annual report of their progress to the Joint Legislative Budget Committee on June 15, 1998 and December 15, 1998."

PROGRESS ON IMPLEMENTATION OF TRANSFER MODEL

- A. **New Transfer Degrees:** *Implementation is in progress, with completion scheduled for January, 1999.* Upon the recommendation of the task force, the community colleges have developed three basic transfer degrees, the Associate in Arts (AA), the Associate in Business (ABus), and the Associate in Science (AS). A timeline for implementation has been defined by the Transfer Articulation Task Force for full implementation anticipated in January 1999. Work continues on implementation of the new degrees by discipline-specific articulation task forces, by the Arizona Academic Administrators' Association (AAAA, which includes the community college chief academic officers) and in individual community college districts.
- B. **Transfer Blocks for General Education, Major Requirements and Associate Degrees.** *Implementation is in progress, with completion scheduled for January, 1999.* The concept of block transfer is incorporated into both the AGECEC and the new degrees. Completion of either the AGECEC or the new Associates degree will transfer as a block to the university and will apply to the graduation requirements for any major in the defined pathway. The Task Force accepted a definition of "electives" for courses taken at the

community college. (This is included as Attachment B)

- C. **New Pathways for Transfer.** *Implementation is in progress with completion scheduled for January, 1999.* The university baccalaureate degrees have been reviewed by the ATFs to identify the pathways for articulation with one of the new community college associate degrees or with a Transfer Guide designated pathway. Attachment C outlines the preliminary lists of majors in each of the pathways. The General Requirement (GR) Pathway has approximately 88 university majors enrolling 67% of the students. The Special Requirements (SR) Pathway has an estimated 141 university majors enrolling 21% of the students. The Transfer Guide/2+2 (TG/XR) Pathway has 85 university majors enrolling 13% of the students.

PROGRESS ON IMPLEMENTATION OF SUPPORT SYSTEMS FOR TRANSFER MODELS

- A. **New Management System.** *Implementation is in progress, with completion anticipated in Spring 1999.* The Task Force continues to recommend several components regarding the management of the new model:
1. **Organizational Structure.** *Organizational review is planned for December 1998.* Upon the completion of the CAS Demonstration Project in December, 1998 the structure used to manage transfer articulation will be reviewed and streamlined.
 2. **Articulation Facilitator.** *Hiring process completed and position filled in March 1998.* Funding has been provided by the universities until June 30, 1998. Continuation funding has been requested from the Legislature with a determination of this request anticipated imminently.
 3. **Responsibilities.** *Implementation is in progress, with anticipated completion of Spring 1999.* The Articulation Facilitator will review and update the ATF Handbook. This revision will more fully define and incorporate the General Education ATF and the Advising ATF into the process and publications. As outlined in Attachment A, the responsibilities of APASC, the Articulation Facilitator and the ATFs will be better defined.

With the hiring of the Articulation Facilitator, it will be possible to coordinate the articulation process and the responsibilities of standing committees and task forces.

4. **Lower/Upper-Division Course Criteria.** *Implementation is in progress with anticipated completion of August 1998.* At its February 6, 1998 meeting, the Task Force accepted the APASC recommendation of criteria for differentiating between lower- and upper-division courses. The Task Force recommended that APASC work with the ATFs to implement these criteria. (See Attachment D for "Upper/Lower Division Course Criteria.")
 5. **Program Articulation.** *Implementation is on-going.* The ATFs have identified common courses and have worked to develop new transfer degrees and identifying new transfer pathways. This work will continue through the implementation date of the new degrees in January 1999. Attachment C includes the descriptions of programs as well as the defined coursework for the Associate and Baccalaureate Degrees.
 6. **Faculty Selection and Training for ATFs.** *Implementation is in progress.* The Articulation Facilitator will coordinate ATF training, staffing and reporting. The current orientation materials will be reviewed and updated as necessary.
 7. **Accountability.** *Implementation in progress.* The Articulation Facilitator will develop a plan to implement the accountability measures recommended by the Task Force. Implementation will be dependent on the proposed student tracking data warehouse. The Articulation Facilitator will assist the University Technical Support Group and the community college Research Advisory Council to recommend an appropriate set of measures supported by the data elements in the student tracking data warehouse.
- B. New Advising System.** The Task Force recommended improvements in the current advising process:
1. **Advocacy.** *Implementation is on-going.* The Academic Advising ATF has compiled a list of Transfer Student Ombudspersons (TSO). Each university and community college has identified a TSO.
 2. **Access.** *Implementation is in progress, completion of materials anticipated December 1998.* The university pre-transfer advisors and the community college advising specialists for potential transfer students are critical players in the proactive advising principle recommended by the Task Force. Additionally, APASC will be responsible for developing materials (both print and electronic) to inform students about the transfer

process and updating such materials in a timely manner. The Articulation Facilitator will assist the Advising ATF to resolve the remaining issues of coordination, financing and updating of advising information. The Course Applicability System is recommended by the Task Force as an appropriate electronic vehicle.

3. **Student Decision Making.** *Implementation is in progress.* The AATF will work to provide information to students regarding the key decision points in the degree pathway process. It is anticipated that this information will be included in the above mentioned materials developed by December 1998.
4. **Advising Networks.** *Implementation is in progress.* The AATF has increased its meetings to two times per year in an effort to enhance its role and formalize the advising network. The AATF met in September 1997, February 1998 and April 1998. The task force will be assisted by the Articulation Facilitator to coordinate reports to APASC and the JCC.
5. **Staff Development and Support.** *Implementation is in progress, with completion dependent upon funding for CAS.* The AATF plans to respond to the Task Force recommendation through the development of a transfer manual. The completion of this manual will coincide with the implementation of CAS. As noted below, CAS implementation is scheduled to begin June 1998.
6. **Evaluation.** *Implementation is in progress.* The Task Force recommended that with the oversight of APASC, an evaluation system involving staff, faculty and students from all state public higher education institutions be developed and implemented. With the assistance of the Articulation Facilitator, the AATF will develop a plan and timeframe.

C. **New Computer-Based Information Systems.** The Task Force recommendation for enhanced information systems to manage the new support systems has been incorporated into a plan called the Arizona Transfer Articulation Support Systems (ATASS).

1. **Course Applicability System (CAS).** *Implementation scheduled to begin in June 1998 as part of multi-stage implementation of ATASS.* The funding necessary for full buildout of this system has been requested from the Legislature for FY 1999. Implementation is scheduled to proceed in three stages: a demonstration project to be completed by January 1, 1999, statewide implementation available to most institutions by June 30, 1999 and full statewide implementation to all institutions by June 30, 2000 (see Attachment A for details).

2. **Transfer Student Data Warehouse** *Installation scheduled to begin in conjunction with new degree implementation as part of multi-stage implementation of ATASS (See Attachment A).* The Data Warehouse will provide the support necessary to gather data and report on the success rates of students who enroll in postsecondary education in Arizona and more specifically, transfer to the universities from the community colleges. The information will be provided by the community colleges and the universities on an annual basis.

3. **Articulation Support Services.** *Full implementation is dependent upon securing sufficient funding.* A cost efficient articulation support services team is the anticipated vehicle for meeting the ATASS recommendations and other related services outlined in the TATF Report. This concept is being pursued as part of the FY 1999 funding request for ATASS.

SUMMARY

Much progress has been made in the last six months toward the full implementation of the New Transfer Model and Services. The collaborative effort and commitment of the faculty and administration of Arizona's colleges and universities has been the greatest asset toward this progress. The full implementation of the model, including new degrees and the support services, is expected by June 30, 1999.

To sustain this change and the anticipated success, it will be necessary to support the Arizona Transfer Articulation Support System (ATASS) and the related management and organizational details. Continued support through the state operating budget will be required. The model will serve Arizona students well, providing the seamless process for transfer from the community colleges to the universities. It has the potential to serve as a national model, bringing recognition to the state of Arizona and to the excellence of education provided in a true collaborative spirit.

ATTACHMENT A

DEFINITIVE TIMELINE

The timeline depicted in the following tables represents the plan of the Transfer Articulation Task Force (TATF) to set clear deadlines for the implementation of the new transfer model and new transfer support services originally proposed in the 1996 TATF Report¹. The timeline is organized to account for each element of the 1996 TATF Report following this general outline:

I. New Transfer Model

- A. Transfer Credit Limits
- B. New General Education Requirements
- C. New Common Major Requirements
- D. New Transfer Pathways
- E. New Transfer Degrees

II. New Transfer Support Services

- A. Management System
 - 1. Review and refine organizational structure
 - 2. Review and refine Articulation Task Force duties
 - 3. Hire articulation facilitator
 - 4. Develop criteria to distinguish between upper and lower division courses
- B. Advising System
 - 1. Identify Transfer Student Ombudpersons at each community college and university campus (advocacy)
 - 2. Identify pre-transfer advisors at university campuses (access)
 - 3. Develop proactive transfer advising at community college campuses (access)
 - 4. Develop resources for students about the transfer process (access)
 - 5. Develop process for community colleges to notify students of decision points (student decision making)
 - 6. Recognize and expand the Advising ATF (advising networks)
 - 7. Develop a training system and materials for advisors (staff development and support)
 - 8. Develop and implement advising evaluation system (evaluation)
- C. Computer-Based Information Systems/Arizona Transfer Articulation Support Services (ATASS)
 - 1. Course Equivalency Guide [Part of the Course Applicability System (CAS)]
 - 2. Transfer Guide [Part of the Course Applicability System (CAS)]
 - 3. Statewide Student Information System [Transfer Data Warehouse]

¹The 1996 Report of the Transfer Articulation Task Force and the 1997 Progress Report on the New Model and Support Services for Transfer Students in Arizona are both available on the Internet at <http://www.abor.asu.edu/abor2/student/>. Reports may also be ordered by contacting the office of the State Board of Directors for Community Colleges of Arizona at (602) 255-4037 or the office of the Arizona Board of Regents at (602) 229-2503.

NEW SUPPORT SERVICES (Management System)										
Component	Status	Summer 1998	Fall 1998	Spring 1999	Summer 1999	Fall 1999	Spring 2000	Summer 2000	Fall 2000	Spring 2001
REVIEW AND REFINE ORGANIZATIONAL STRUCTURE -review and streamline organizational structure (if needed)	Interim structure is currently in place and will continue to function throughout this period. This structure is summarized on the attached chart of "Entities Responsible for Implementing the TATF Report. By Fall 2000, when the Arizona Transfer Articulation Support Services (ATASS) are fully implemented statewide, the organization structure can be reviewed and streamlined as needed.									
-define responsibilities of standing committees and task forces	P			May						
-strengthen accountability of task forces and committees	P			May						
REVIEW AND REFINE ARTICULATION TASK FORCE DUTIES -broaden ATF focus to include program articulation	P			May						
-improve faculty selection and training for ATFs	P			May						
HIRE ARTICULATION FACILITATOR	C									
DEVELOP CRITERIA TO DISTINGUISH BETWEEN UPPER AND LOWER DIVISION COURSES	C									

NEW SUPPORT SERVICES (Advising System)										
Component	Status	Summer 1998	Fall 1998	Spring 1999	Summer 1999	Fall 1999	Spring 2000	Summer 2000	Fall 2000	Spring 2001
Identify TSOs at each cc and univ campus (advocacy)	C									
Identify pre-transfer advisors at univ campuses (access)	V		Sept							
Develop proactive transfer advising at cc campuses (access)	V		Sept							
Develop resources for students about the transfer process (access)	P		Sept							
Develop process for cc's to notify students of decision points (student decision making)	V		Sept							
Recognize and expand the AATF (advising networks)	P		Sept							
Develop a training system and materials for advisors (staff development and support)	P		Sept							
Develop and implement advising evaluation system (evaluation)	P		Sept							

NEW SUPPORT SERVICES (Computer-Based Information Systems/Arizona Transfer Articulation Support Services --ATASS)*										
Component	Status	Summer 1998	Fall 1998	Spring 1999	Summer 1999	Fall 1999	Spring 2000	Summer 2000	Fall 2000	Spring 2001
COURSE EQUIVALENCY GUIDE (PART OF THE COURSE APPLICABILITY SYSTEM--CAS) -Phase I (Demonstration Project)	P	June								
-Phase II (Limited Statewide Implementation)	F	-----	-----	-----	June					
-Phase III (Full Statewide Implementation)	F	-----	-----	-----	-----	-----	-----	June		
TRANSFER GUIDE (PART OF THE COURSE APPLICABILITY SYSTEM--CAS) -Phase I (Demonstration Project)	P	June								
-Phase II (Limited Statewide Implementation)	F	-----	-----	-----	June					
-Phase III (Full Statewide Implementation)	F	-----	-----	-----	-----	-----	-----	June		
STATEWIDE STUDENT INFORMATION SYSTEM (TRANSFER DATA WAREHOUSE) -Phase I (Demonstration Project)	P	June								
-Phase II (Limited Statewide Implementation)	F	-----	-----	-----	June					
-Phase III (Full Statewide Implementation)	F	-----	-----	-----	-----	-----	-----	June		
*All elements of the Arizona Transfer Articulation Support Services timeline are subject to funding.										

ATTACHMENT B

**Integrating the Arizona General Education Curriculum (AGEC)
with the 1998 University Admission Requirements**
(updated 11/4/97)

The General Education Articulation Task Force (GEATF), the Academic Program Articulation Steering Committee (APASC) and the Joint Conference Committee (JCC) recommend that the Arizona Board of Regents review and approve the following statement regarding an exemption from the 1998 Arizona university admission requirements for students who complete specific post-secondary curriculum prior to university transfer.

Students who complete the Arizona General Education Curriculum (AGEC-A, AGEC-B, or AGEC-S) with a minimum 2.0 on a 4.0=A scale, or students who complete an associate or higher degree from a regionally accredited post-secondary institution with a minimum 2.0 on a 4.0=A scale for Arizona residents and a minimum 2.5 on a 4.0=A scale for non-residents, shall be considered to be exempt from Arizona university admission requirements.

APASC wishes to emphasize the following clarifications regarding this statement:

- 1) Completion of the AGEC or an associate degree or higher as described in this statement exempts a student from admission requirements only; such completion does not guarantee that a student will be admitted to a specific degree program.
- 2) Only completion of the AGEC or an Arizona Associate of Arts or an Arizona Associate of Business or an Arizona Associate of Science degree guarantees block transfer to fulfill all lower division undergraduate liberal studies requirements and specific lower division major requirements. Block transfer is not guaranteed for an Associate of Applied Science Degree, or any other associate degree, or any other combination of community college coursework; nor does the completion of these other associate degrees, or other combinations of community college coursework, guarantee that all units will transfer or be applicable to a degree program.
- 3) Beginning in 1998, university and community college researchers should gather data and report on the success rates of students who are admitted under this exemption to monitor and evaluate the relative success and performance of those admitted as:
 - a) AGEC completers
 - b) Arizona Associate of Arts completers
 - c) Arizona Associate of Business completers*
 - d) Arizona Associate of Science completers
 - e) Arizona Associate of Applied Science completers
 - f) Completers of other Arizona or non-Arizona associate degrees

* Added to evaluation list 10/31/97

ATTACHMENT C

NEW TRANSFER DEGREES As Part of New Arizona Transfer Agreement

The task force proposes that community colleges develop three basic transfer degrees, the Associate in Arts (AA), the Associate in Business (ABus) and the Associate of Science (AS). The general parameters of the proposed degrees are on page 2 of this attachment.

Students must achieve a grade of "C" or better for all courses included in the new degrees. These courses will be accepted for transfer to all three of the Arizona public universities. The new degrees have been categorized by "pathways." There are three pathways: General Requirement (GR); Special Requirement (SR); and Transfer Guide/2+2 (TG XR). A preliminary listing of the majors in the pathways is included on pages 4 and 5 of this attachment. This listing is still under review and will be finalized in December, prior to the implementation of the new degrees.

For several of the degrees, students will be provided a general pathway which permits a baccalaureate degree to be completed in 56 credits. These degrees are listed on pages 6 and 7 of this attachment. Approximately 67% of the students who transfer from the community colleges to the universities enter into one of these general pathway baccalaureate degrees.

A number of university majors require specialization at the lower-division or a sequence of courses in order to best prepare the student. These majors have been listed as part of the Special Requirement (SR) Pathway. Approximately 21% of transfer students enter into one of these majors. These SR Pathway majors have been specifically identified by the Articulation Task Forces, with common courses and requirements outlined at the lower-division level. Examples of some of the SR Pathway majors are provided on pages 8 - 18 of this attachment.

There are university majors which require a prescribed transfer guide that a student must follow in order to transfer from the community colleges to the universities with little or no delay in completing a baccalaureate degree. These majors are part of the 2+2 Pathway, otherwise referred to as TG XR. Approximately 13% of transfer students enter into one of these majors. The majors that are part of the 2+2 Pathway are listed on page 19 of this attachment.

Each page in this attachment has a two-tiered table. The top table represents the components of the new Associate Degree that is applicable to a group of Baccalaureate degrees. The lower table has the various Baccalaureate degrees (and their requirements in the case of the SR Pathway majors) to which the Associate Degree articulates.

NEW ASSOCIATE DEGREES

Block of Courses	Associate of Arts	Associate of Business	Associate of Science
Arizona General Education Curriculum (AGEC) Entire lower division general education program	35 credits	35 credits	35 credits
Major Requirements All common courses, pre-requisites, and electives applicable to a major of choice	13 credits -Common courses -Electives -Pre-requisites	29 credits -Common courses -Electives	17 credits -Common courses -Electives
	16 credits -Language		12 credits -Math pre-requisites -Science pre-requisites
Community College Associate Degree*	64	64	64
Credits remaining to complete baccalaureate degree*	56	56	56
University Baccalaureate Degree*	120	120	120

*Associate degrees range from a minimum of 60 to a maximum of 64 credits. The majority of baccalaureate degrees require 120 credits. A small number have been approved for more than 120 credits.

SUMMARY OF PRELIMINARY PATHWAYS

	GENERAL REQUIREMENT PATHWAYS (GR)	SPECIAL REQUIREMENT PATHWAYS (SR)
SOME AA and AS, and ALL ABUS COMPLETERS	<p>88 UNIVERSITY MAJORS 67% OF STUDENTS</p>	<p>141 UNIVERSITY MAJORS 21% OF STUDENTS</p>

	TRANSFER GUIDE/2+2 PATHWAYS (TG XR)
SOME AA and SOME AS COMPLETERS	<p>85 UNIVERSITY MAJORS 13% OF STUDENTS</p>

PRELIMINARY SUMMARY OF PATHWAYS

GENERAL REQUIREMENT PATHWAY (GR) UNIVERSITY MAJORS	SPECIAL REQUIREMENT PATHWAY (SR) UNIVERSITY MAJORS	SPECIAL REQUIREMENT PATHWAY (SR) UNIVERSITY MAJORS (con't)
<p>BS Agriculture - Animal Sciences (UA) BA American Studies (ASUW) BA Anthropology (ASU, NAU, UA) BA Art History (ASU, NAU, UA) BS Business Administration (ASU, NAU, UA)* BS Business (ASUW) BA Chemistry (UA) BA Creative Writing (UA) BA Dramatic Theory (UA) BA or BS Economics (ASU, NAU, UA) BA English (ASU, ASUW, NAU, UA) BA Fine Arts - Art (ASU) BA Geography (UA, ASU) BS Geography (NAU) BA History (ASU, ASUW, NAU, UA) BS History (ASU, NAU) BA Interdisciplinary Arts & Performance (ASUW) BA Interdisciplinary Studies (ASUW) BA Interdisciplinary Humanities (ASU) BA Journalism (UA) BA Media Arts (UA) BA Music (UA) BA Philosophy (ASU, NAU, UA) BA Photographic Studies (ASU) BS Physical Education - Fitness & Wellness Management (NAU) BA Political Science (ASU, NAU, UA) BA or BS Politics (ASUW) BA Psychology (ASU, ASUW, NAU, UA) BS Public Administration (UA) BS Regional Development (UA) BA Religious Studies (ASU, NAU, UA) BA or BS Social & Beh. Sciences (ASUW, UA) BA Sociology (ASU, ASUW, NAU, UA)</p>	<p>BA Studio Art (ASU) BS Education - Art Ed. (NAU) BFA Visual Comm. (NAU) BS Photography (NAU) BA Communication (ASU, UA) BS Communication (ASU) BS Speech & Hearing Sci (ASU) BA or BS Communication Studies (ASUW) BA or BS Speech Comm (NAU) BS Education (NAU)* BA Education (UA) BS Exercise Sci & Physical Educ. (ASU) BS Recreation & Tourism (ASUW) BS Phys Ed - Teacher Prep (NAU) BS Exercise Science (NAU) BSHS Physiological Sciences (UA) BA or BS Family Resources & Human Dev. (ASU) BS Merchandising (NAU) BS Nutrition Science & Dietetics (NAU) BS Nutrition Science & Health (NAU) BS Family & Consumer Resources (UA) BA Broadcasting (ASU) BA Journalism (ASU) BA Electronic Media (NAU, UA) BS Advertising (NAU) BS Journalism (NAU) BS Photography (NAU) BS Public Relations (NAU) BS Dental Hygiene (NAU) BFA Media Arts (UA) BA Asian Languages (ASU) BA French (ASU, NAU, UA) BA German (ASU, NAU, UA) BA Italian (ASU, UA) BA Russian (ASU, UA) BA Spanish (ASU, ASUW, NAU, UA) BA Classics (UA)</p>	<p>BS Physical Science (NAU) BA Greek (UA) BA Latin (UA) BA Portuguese (UA) BA Judaic Studies (UA) BA Latin American Studies (UA) BA Linguistics (UA) BA Mexican Amer. Studies (UA) BA Near Eastern Studies (UA) BA Russian & Soviet Studies (UA) BA Music (ASU, NAU, UA) BS Political Science (ASU, NAU, UA) BS Psychology (ASU, ASUW, NAU, UA) BSW Social Work (ASU, ASUW, NAU) BA Sociology (ASU) BA Educ. Social Studies (NAU) BA Theater Arts (ASU) BA or BS Theater (NAU) BS Education Theater (NAU) BFA Theater Production (UA) BS Biology (ASU, NAU, UA) BS Botany (ASU, NAU) BS Microbiology (ASU, NAU) BS Wildlife Conservation Bio (ASU) BS Zoology (ASU, NAU) BA or BS Chemistry (ASU, NAU, UA) BS Health Education (NAU) BS Community Health (NAU) BSHS Medical Technology (UA) BS Clinical Lab Science (ASU) BS Cellular & Molecular Bio (UA) BA or BS Ecology & Evolutionary Bio (UA) BA or BS Biochemistry (UA) BS Health Science (NAU) BSHS Physical Education (NAU) BA or BS Mathematics (ASU, UA)BS only (NAU) BS Atmospheric Science (UA)</p>
<p>*There are several Majors in this category</p>		

PRELIMINARY SUMMARY OF PATHWAYS

TRANSFER GUIDE/ 2+2 PATHWAYS (TG XR) UNIVERSITY MAJORS	TRANSFER GUIDE/ 2+2 PATHWAYS (TG XR) UNIVERSITY MAJORS (con't)
<p>BS Administration of Justice (ASUW) BS Aeronautical Engineering Technology (ASU) BS Aeronautical Management Technology (ASU) BS Agribusiness (ASU) BS Agriculture (UA) BA or BS Applied Sociology (NAU) BME Choral Music (NAU) BS Computer Science & Engineering (NAU) BS Construction Management (NAU) BS Criminal Justice (NAU) BFA Dance (ASU, UA) BS Design - Interior Design (ASU, NAU) BA Education (ASU, ASUW, UA)* BS Electronics Engineering Technology (ASU) BS Engineering (ASU, ASUW, NAU, UA,)* BS Hotel and Restaurant Management (NAU) BS Industrial Technology (ASU) BME Instrumental Music (NAU) BM Instrumental Performance (NAU)</p>	<p>BS Nursing (ASU, NAU, UA) BFA Studio Arts (UA, NAU) BS Operations Management (UA) BM Vocal Music Performance (NAU) BS Wildlife, Watershed, & Range Management (UA) BS Public Management (UA) BS Criminal Justice Administration (UA) BS Forestry (NAU) BS Computer Information Systems (ASU, NAU) BS Management Information Systems (UA) BS Computer Science (ASU, UA)* BS Geology (ASU, NAU) BS Geosciences (UA) BA Jazz Studies (UA) BS Justice Studies (ASU) BS Manufacturing Engineering Technology (ASU) BM Music Performance (ASU, UA) BA Musical Education (UA) BA Musical Theater (UA)</p>
<p>*There are several Majors in this category</p>	<p>*There are several Majors in this category</p>

ASSOCIATE OF ARTS (GENERAL REQUIREMENTS)

NOTE: 64 credits will transfer to baccalaureate degree

<p>AGEC - A Cr</p> <p>Freshman Composition.....6 Arts & Humanities.....6-9 Social & Behavioral Sciences.....6-9 Mathematics.....3 Science.....8 Optional.....0-6</p> <p>TOTAL CREDITS 35</p>	<p>COMMON COURSES</p> <p>Each major has at least 6 credits identified as common courses recommended for preparation for major</p> <p>TOTAL CREDITS Min of 6</p>	<p>REQUIREMENTS</p> <p>Language Proficiency.....16</p> <p>TOTAL CREDITS 16</p>	<p>ELECTIVES</p> <p>Student selected Electives.....7</p> <p>TOTAL CREDITS min of 7</p>
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BACCALAUREATE DEGREE: AA + 56 CREDITS = 120 credits

AA transfers to any of the following degrees (NOTE: All relevant programs at each university are listed, not all programs are offered at each campus)

<p>ASU MAIN CAMPUS</p> <p>BA in Anthropology BA in Art History BA in Photographic Studies BA in Fine Arts - Art BA in Economics BA in English BA in History BA in Philosophy BA in Political Science BA in Psychology BA in Religious Studies</p>	<p>ASU WEST</p> <p>BA in Interdisciplinary Arts & Performance BA in American Studies BA in English BA in Interdisciplinary Studies BA in Social & Behavioral Science BA in Politics BS in Politics BS in Social & Behavioral Science BA in Psychology</p>	<p>NAU</p> <p>BA in Anthropology BA in Art History BS in Economics BA in English BS in Physical Education - Fitness and Wellness Management</p>	<p>UNIV OF ARIZONA</p> <p>BA in Anthropology BA in Art History BA in Economics BA in Creative Writing BA in English BA in Geography BS in Regional Development BA in History BA in Journalism BA in Media Arts BA in Philosophy BA in Psychology BA in Religious Studies BA in Sociology BA in Dramatic Theory</p>
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ASSOCIATE OF BUSINESS (GENERAL REQUIREMENTS)

NOTE: 64 credits will transfer to baccalaureate degree

AGEC - B CR	COMMON COURSES CR	REQUIREMENTS	ELECTIVES
Freshman Composition..... 6	Accounting.....6-7		Student selected
Arts and Humanities..... 6-9	Business Computers..... 3		Electives.....2-3
Social & Behavioral Sciences..... 6-9	Business Law.....3		
Physical and Biological Sciences..... 8	Business Statistics.....3		
Mathematics..... 3	Finite Mathematics.....3		
Options.....0-6	Micro Economics.....3		
	Macro Economics..... 3		
	Business Elective..... 3		
TOTAL CREDITS 35	TOTAL CREDITS 27-28		

BACCALAUREATE DEGREE: A Bus + 56 credits = 120 credits

ABus transfers to any of the following degrees (NOTE: All relevant programs at each university are listed, not all programs are offered at each campus)

ASU MAIN	ASU WEST	NAU	UNIVERSITY OF ARIZONA
BS in Business Administration - Economics - Finance - Management - Marketing - Purchasing & Logistics Mgmt. - Real Estate	BS in Business -Global Business* *This is the only business degree offered at ASU West	BS in Business Administration -Business Economics - Finance - Management - Marketing	BS in Business Administration -Business Economics - Entrepreneurship - Finance - General Business - Marketing - Operations Management - Human Resources Management - Real Estate
			BS in Public Administration -Criminal Justice Administration - Health and Human Services Admin. - Public Mgmt

ASSOCIATE OF ARTS DEGREE (Special Requirements): EMPHASIS IN COMMUNICATION

NOTE: 64 credits will transfer to baccalaureate degree

AGEC - A	CR	COMMON COURSES	REQUIREMENTS	ELECTIVES
Freshman Composition.....6		Introduction to Oral Communication.....3	Language Proficiency.....16	Student selected electives
Arts & Humanities.....6-9		Public Speaking.....3	Statistics (for BS option at ASU).....3	Depends on need to fulfill requirements
Social & Behavioral Science.....6-9				
Mathematics.....3				
Science.....8				
Optional.....0-6				
TOTAL CREDITS 35		TOTAL CREDITS 6	TOTAL CREDITS Up to 16	TOTAL CREDITS Up to 23

BACCALAUREATE DEGREE: AA (including common courses) + 56 credits = 120 credits

Associate of Arts degree transfers to degrees listed below

BA in Communication ASU Main	BS in Communication ASU Main	BS in Speech and Hearing Science ASU Main	BA in Communication Studies ASU West
Core Requirements.....12	Core Requirements12	Major Courses.....45	Major Requirements48
Required and Optional Courses.....35*	Required and Optional Courses.....35*	Supporting Courses.....13*	Electives..... 8
Upper Division Humanities or Social Science..... 3	Course beyond GS requirements..... 3		
Electives..... 6	Electives..... 6		
*Assumes 3 cr of Common Courses completed for AA	*Assumes 3 cr of Common Courses and Statistics completed for AA	*Some courses are part of AA Degree, this number may be reduced	

ASSOCIATE OF ARTS DEGREE (Special Requirements): EMPHASIS IN FRENCH

NOTE: 64 credits will transfer to baccalaureate degree

AGEC - A	CR	COMMON COURSES	REQUIREMENTS	ELECTIVES
Freshman Composition.....	6	French I.....	4	Student selected
Arts & Humanities.....	6-9	French II.....	4	electives.....
Social & Behavioral		French III.....	4	
Sciences.....	6-9	French IV.....	4	
Mathematics.....	3			
Science.....	8			
Optional.....	0-6			
TOTAL CREDITS.....	35	TOTAL CREDITS.....	16	TOTAL CREDITS.....
			Language Proficiency *.....16	0 - 13
			Language Proficiency may be met through completion of Common Courses	
			TOTAL CREDITS.....	0 - 16
				0 - 13

BACCALAUREATE DEGREE: AA (including common courses) + 56 credits = 120 credits

NOTE: Associate of Arts Degree transfers to the following degrees

BA in French ASU Main	BA in French NAU	BA in French UA
Required Courses.....18	Major Credits..... 38	Core Courses.....9-24
Other French Courses..... 12	General Electives..... 18	Survey Course.....0- 3
Other Requirements..... 15		Literature Course.....0- 3
Electives..... 11		Add'l French Courses.....12-15
Electives..... 11		Electives..... 18

ASSOCIATE OF ARTS DEGREE (Special Requirements): EMPHASIS IN JOURNALISM AND MEDIA ARTS (Part 1 of 2)

NOTE: 64 credits will transfer to baccalaureate degree

AGEC - A	CR	COMMON COURSES	REQUIREMENTS	ELECTIVES
Freshman Composition.....6		Journalism Newswriting.....3	Language Proficiency..... 16*	Student selected
Arts & Humanities.....6-9		Media & Society.....3		Electives.....4-20
Social & Behavioral Sciences.....6-9		Public Speaking.....3		
Mathematics.....3			Not required for all degrees	
Science.....8				
Optional.....0-6				
TOTAL CREDITS 35		TOTAL CREDITS 6-9	TOTAL CREDITS Up to 16	TOTAL CREDITS Up to 20

BACCALAUREATE DEGREE: AA (including common courses) + 56 credits = 120 credits

NOTE: Associate of Arts Degree transfers to the following degrees

BA in Broadcasting ASU Main	BA in Journalism ASU Main	BA in Electronic Media NAU	BS in Journalism NAU	BS in Advertising NAU
Major Courses.....12*	Major Courses.....15*	Major Courses.....39*	Major Courses...30-36*	Major Courses.....30*
Major professional Emphasis.....15	Major professional Emphasis.....12	Minor Courses.....18	Minor Courses.....18	Minor Courses....18-24
Related field12	Related Field.....12		Electives.....2 - 8	Electives.....2-8
Electives.....12	Electives.....17			
*Assumes Media & Society completed as part of AA	*Assumes Media & Society completed as part of AA	*Assumes Public Speaking completed as part of AA	*Assumes all Common Courses completed as part of AA	*Assumes Public Speaking and Journalism Newswriting completed as part of AA

ASSOCIATE OF ARTS DEGREE (Special Requirements): EMPHASIS IN JOURNALISM AND MEDIA ARTS (Part 2 of 2)

NOTE: 64 credits will transfer to baccalaureate degree

AGEC - A CR	COMMON COURSES	REQUIREMENTS	ELECTIVES
Freshman Composition..... 6 Arts & Humanities..... 6 - 9 Social & Behavioral Sciences..... 6 - 9 Mathematics..... 3 Science..... 8 Optional..... 0 - 6 TOTAL CREDITS 35	Journalism Newswriting..... 3 Media & Society..... 3 Public Speaking..... 3 TOTAL CREDITS 6 - 9	Language Proficiency..... 16* Not required for all degrees TOTAL CREDITS Up to 16	Student selected Electives..... 4 - 20 TOTAL CREDITS Up to 20

BACCALAUREATE DEGREE: AA (including common courses) + 56 - 61 credits = 120-125 credits

Transfers to degrees listed below:

BS in Electronic Media NAU	BS in Public Relations NAU	BS in Education - Journalism NAU	BFA Media Arts University of Arizona
Major Courses.....39* Minor Courses.....18 *Assumes Public Speaking completed as part of AA	Major Courses.....39* Minor Courses.....18-24 *Assumes Public Speaking and Journalism Newswriting completed as part of AA	Major Courses.....24* Teaching Certification...31 Electives.....1 *Assumes Journalism Newswriting and Media and Society completed as part of AA	Media Arts.....60* PreMajor..... 3 *This major requires 125 credits for baccalaureate

ASSOCIATE OF ARTS DEGREE (Special Requirements): EMPHASIS IN SPANISH

NOTE: 64 credits will transfer to baccalaureate degree

AGEC - A	CR	COMMON COURSES	REQUIREMENTS	ELECTIVES
Freshman Composition.....	6	Spanish II.....	4	Student selected
Arts & Humanities.....	6-9	Spanish III.....	4	electives.....
Social & Behavioral		Spanish III.....	4	
Sciences.....	6-9	Spanish IV.....	4	0 - 13
Mathematics.....	3			
Science.....	8		Language Proficiency may be	
Optional.....	0-6		met through completion of	
			Common Courses	
TOTAL CREDITS.....	35	TOTAL CREDITS.....	16	TOTAL CREDITS.....
			Language Proficiency *..... 16	
			Language Proficiency may be	
			met through completion of	
			Common Courses	
			TOTAL CREDITS.....	0 - 16
				TOTAL CREDITS.....
				0 - 13

BACCALAUREATE DEGREE: AA (including common courses) + 56 credits = 120 credits

NOTE: Associate of Arts Degree transfers to the following degrees

BA in Spanish ASU Main	BA in Spanish ASU West	BA in Spanish NAU	BA in Spanish UA
Required Courses.....	15	Required Courses.....	15
Spanish Literature.....	6	Spanish Literature.....	6
Other Spanish Courses.....	3	Other Spanish Courses.....	3
Spanish Electives.....	6	Spanish Electives.....	6
Related Fields.....	15	Related Fields.....	15
Electives.....	11	Electives.....	11
		Major Credits.....	38
		General Electives.....	18
		Qualifying Courses.....	6
		Core Electives.....	6
		Concentration.....	18
		Other Courses.....	6
		Electives.....	20

ASSOCIATE OF ARTS (Special Requirements): EMPHASIS IN MUSIC

NOTE: 64 credits will transfer to baccalaureate degree

AGEC - A	CP	COMMON COURSES	REQUIREMENTS	ELECTIVES
Freshman Composition.....6		Music Theory I.....3	Language Proficiency.....16	Student selected Electives.....7
Arts & Humanities.....6-9		Music Theory II.....3		
Social & Behavioral Sciences.....6-9		Music Theory III.....3		
Mathematics.....3		Music Theory IV.....3		
Science.....8		Performance.....up to 4		
Optional.....0-6				
TOTAL CREDITS 35		TOTAL CREDITS Up to 16	TOTAL CREDITS 16	TOTAL CREDITS up to 7

BACCALAUREATE DEGREE: AA (Including Common Courses) + 56 CREDITS = 120 credits

AA with emphasis in music transfers to any of the following degrees

BA Music ASU Main	BA Interdisciplinary Arts & Performance ASU West	BA Music NAU	BA Music UA
Music Theory8*	Major Requirements.....45	Core Requirements.....10*	Music Courses.....27*
Music History15	Electives.....11	Add'l Music	Ensembles.....12
Major Performing Medium. 8		Coursework.....18	Performance.....12*
Recital Attendance..... 6		Electives, Second or	Electives..... 5
Placement Exam or Piano		Extended Major.....28-29	
Proficiency.....12			
Electives.....7-8			
 *Assumes Common Courses completed as part of AA		 *Assumes Common Courses completed as part of AA	 *Assumes Common Courses completed as part of AA

ASSOCIATE OF ARTS (Special Requirements): EMPHASIS IN THEATRE- ARTS

NOTE: 64 credits will transfer to baccalaureate degree

ACEC - A	Cr	COMMON COURSES	REQUIREMENTS	ELECTIVES
Freshman Composition.....	6	Intro to Theater.....	Language Proficiency.....	Student selected
Arts & Humanities.....	6-9	Dramatic Structure.....		Electives.....
Social & Behavioral		Acting I.....		
Sciences.....	6-9	Acting II.....		
Mathematics.....	3	Stagecraft.....		
Science.....	8			
Optional.....	0-6			
TOTAL CREDITS	35	TOTAL CREDITS Up to 15	TOTAL CREDITS 16	TOTAL CREDITS up to 7

BACCALAUREATE DEGREE: AA (Including Common Courses) + 56 CREDITS = 120 credits

AA with emphasis in Theater Arts transfers to any of the following degrees

BA in Theater Arts ASU Main	BA in Theater NAU	BS in Theater NAU	BFA in Theater Production UA (125 credits total)
Major Requirements.....54* Upper Division Humanities or Soc. Sci. 3	Major Requirements.....38* Minor Requirements.....18	Major Requirements.....38* Minor Requirements.....18	Department General Education Requirement....12 Major Core..... 8 Options.....41*
*Assumes Common Courses completed as part of AA	*Assumes at least 10 credits of Common courses completed as part of AA	*Assumes at least 10 credits of Common courses completed as part of AA	*Assumes Common Courses completed as part of AA

ASSOCIATE OF SCIENCE (Special Requirements): EMPHASIS IN AGRICULTURE

NOTE: 60-64 credits will transfer to baccalaureate degree

AGEC-S	CR	COMMON COURSES	REQUIREMENTS	ELECTIVES
Freshman Composition...6		There were no common courses identified for the majors which articulate to this degree	Language Proficiency.....16 (Required for UA)	Student selected Electives.....up to 25
Arts & Humanities.....6-9				
Social & Behavioral Sciences.....6-9				
Mathematics.....3				
Science.....8				
Optional.....0-6				
TOTAL CREDITS.....35		TOTAL CREDITS.....0	TOTAL CREDITS...up to 16	TOTAL CREDITS...up to 25

BACCALAUREATE: AS + 56 - 60 credits = 120 credits

AS degree transfers to the following degrees

BS Agribusiness ASU Main	BS Agribusiness Pre-Veterinarian ASU Main	BS Agribusiness Food Service ASU Main	BS Agriculture Agricultural & Resource Economics UA	BS Agriculture Agricultural Ed. UA	BS Agriculture Biochemistry UA
Pre-requisite Courses.....19 SABR Core.....6 Agribusiness Core.....18 Upper-division Agribusiness...15	Pre-Veterinarian Concentration...31 SABR Core..... 6 Electives.....19	Pre-requisite Courses.....19 SABR Core..... 6 Agribusiness Core.....18 Upper-division Concentration..15	Pre-Major Courses.....21 Core Courses.....18 Core Electives... 6 Concentration.... 9 Electives..... 2	Core Courses.....27 Support Courses.. 3 Electives.....26 (Second Major)	Organic Chem....8 Physical Chem...3 Req'd Courses..14* Core Courses....25 Core Electives... 6 *Assumes Chemistry and Calculus in AA

ASSOCIATE OF SCIENCE (Special Requirements): EMPHASIS IN CHEMISTRY

Note: 64 credits transfer to baccalaureate degree

AGEC-S	OR	COMMON COURSES	REQUIREMENTS	ELECTIVES
Freshman Composition...6		Chemistry I.....4-5	Language Proficiency.....16 (Req'd for ASU & UA)	Student-selected
Arts & Humanities.....6-9		Chemistry II.....4-5	College Algebra.....3	Electives.....3-19
Social & Behavioral			Pre-Calculus.....3	
Sciences.....6-9				
Mathematics.....3				
Science.....8				
Optional.....0-6				
TOTAL CREDITS 35		TOTAL CREDITS 8-10	TOTAL CREDITS Up to 22	TOTAL CREDITS Up to 19

BACCALAUREATE DEGREE: AS (including common courses) + 56 credits = 120 credits

Associate of Science will transfer to following degrees

BS in Chemistry ASU Main	BS in Chemistry NAU	BS in Environmental Chemistry NAU	BS in Geochemistry NAU	BS in Chemistry UA
Chemistry Courses...34* Math.....12* Other requirements 11	Major Requirements 36 Minor 18 - 24	Major Requirements.....58*	Major Requirements.....56*	Core Courses.....29* Core Electives..... 6 Electives.....21
*Assumes Chemistry I & II and Calculus completed as part of AA		*Assumes Chemistry I and II and Calculus completed as part of AA	*Assumes Chemistry I and II and Calculus completed as part of AA	*Assumes Language Proficiency completed as part of AA

ASSOCIATE OF ARTS DEGREE (Special Requirements): EMPHASIS IN PSYCHOLOGY

NOTE: 64 credits transfers to baccalaureate degree

AGEC - A	CR	COMMON COURSES	REQUIREMENTS	ELECTIVES
Freshman Composition.....6		Intro to Psychology.....3	Language Proficiency.....16	Student selected
Arts & Humanities.....6-9		Intro to Measurement & Statistics.....3	Brief Calculus (For ASU and ASU West)...3	Electives.....0-7
Social & Behavioral Sciences.....6-9		Research Methods.....3		
Mathematics.....3		Social Psychology.....3		
Science.....8				
Optional.....0-6				
TOTAL CREDITS	35	TOTAL CREDITS up to 12	TOTAL CREDITS Up to 19	TOTAL CREDITS up to 7

BACCALAUREATE DEGREE: AA + 56 credits = 120 credits

Associate of Arts Degree transfers to the following degrees:

BS in Psychology ASU Main	BS in Psychology ASU West	BS in Psychology NAU	BS in Psychology U of A
Major Courses.....31*	Major Courses.....31*	Major Courses.....36	Major Courses.....36
Computer Literacy..... 3	Related courses.....18	Related Courses.....17	Mathematics..... 3
Upper Division Humanities Or Social Science..... 3	Electives.....up to 7	Electives..... 3	Electives.....17
Electives.....19			
*Assumes Biology and Brief Calculus part of AA	*Assumes Biology and Brief Calculus part of AA		

ASSOCIATE DEGREE (TGXR) Requirements for Baccalaureate are specific to each university and degree

<p>AGEC - Gr</p> <p>Student will complete the AGENC appropriate to the major</p> <p>TOTAL CREDITS 35</p>	<p>COMMON COURSES</p> <p>Common Courses are not identified for majors listed in this pathway.</p> <p>TOTAL CREDITS NA</p>	<p>REQUIREMENTS</p> <p>Requirements are specific for each degree listed below. Student must follow the transfer guide for the university and major requirements.</p>	<p>ELECTIVES</p> <p>Student selected</p> <p>Electives.....7</p> <p>TOTAL CREDITS min of 7</p>
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BACCALAUREATE DEGREE PROGRAMS Student must follow Transfer Guides for each program of study

ASU MAIN CAMPUS	ASU WEST	NAU	UNIV OF ARIZONA
<p>BS Justice Studies BA Education - Elementary Education - Secondary Education - Selected Studies - Special Education - Early Childhood Education BS Aeronautical Engineering Tech BS Aeronautical Management Tech BS Electronics Engineering Tech BS Industrial Technology BS Manufacturing Engineering Technology BS Engineering BS Design - Interior Design BA and BS Mathematics BS Nursing</p>	<p>BS Administration of Justice BA Education - Elementary Education - Secondary Education - Special Education - Early Childhood Education BS Education - Mathematics</p> <p>ASU EAST</p> <p>BS Industrial Technology BS Manufacturing Engineering Technology BS Agribusiness</p>	<p>BS Criminal Justice BFA Studio Arts BS Education - Technology Education - Vocational Education BS Computer Science & Engineering BS Engineering - Civil - Electrical - Environmental - Mechanical BS Construction Management BS Hotel & Restaurant Management BS Interior Design BS Mathematics BA Education - Mathematics BM Instrumental Performance BM Music BM Vocal Music Performance BME Choral Music BME Instrumental Music BS Nursing BA & BS Applied Sociology</p>	<p>BS Agriculture-Nutritional Sciences BS Wildlife, Watershed & Range Management BFA Studio Arts BS Engineering - Aerospace - Agricultural & Biosystems - Chemical -Civil - Computer - Electrical - Engineering Mathematics - Engineering Physics - Geological - Hydrology - Industrial - Materials Science - Mechanical - Mining - Optical - Systems BA & BS Mathematics BA Jazz Studies BA Music Education BA Musical Performance Musical Composition BS Nursing BA Musical Theater</p>

CRITERIA FOR UPPER/LOWER-DIVISION COURSES

The assignment of courses to upper and lower-division is a difficult task. APASC provides these guidelines to ATFs and college/university curriculum committees for their review of course level.

Lower-division courses generally focus on foundational theories, concepts, perspectives, principles, methods, and procedures of critical thinking in order to provide a broad basis for more advanced courses. The primary intent of lower-division coursework is to equip students with the general education needed for advanced study, to expose students to the breadth of different fields of study, and to provide a foundation for specialized upper-division coursework in professional fields. Such courses have one or more of the following four purposes:

- a) To acquaint students with the breadth of (inter) disciplinary fields in the arts, humanities, social sciences, and natural sciences, and to the historical and contemporary assumptions and practices of professional fields,
- b) To introduce essential skills of literacy (e.g., information gathering, reading, and writing), language (e.g., oral communication and language and culture other than English), numeracy, and sciences to prepare for continuing work in any field of higher education.
- c) To develop specific occupational skills designed to lead directly to employment based on a two-year program of study.
- d) To lay the foundation for upper-division coursework and to begin development of analytical thinking and theoretical applications.

Upper-division courses are specialized, in-depth, and advanced, and emphasize problem-solving, analytical thinking skills, and theoretical applications. These courses often build on the foundation provided by the skills and knowledge of lower-division education. Upper-division courses may require the student to synthesize topics from a variety of sources. Upper-division courses may also require a greater responsibility, or independence on the part of the student. Upper-division courses require instructors with specialized knowledge and preparation. Thus, many intermediate and all advanced baccalaureate courses in a field of study are properly located in the upper-division. In addition, disciplines that depend heavily on prerequisites or the body of knowledge of lower-division education may properly be comprised primarily of upper-division courses. Such courses have one or more of the following three purposes:

- a) The in-depth study or application of theories and methods and the understanding of their scope and limitations.
- b) The refinement of essential skills associated with the baccalaureate.
- c) The development of specific intellectual and professional skills designed to lead to postbaccalaureate employment, graduate study, or professional school.