

**TRANSFER GUIDE  
B.S. Physical Sciences  
Chemistry Concentration  
MESA STATE COLLEGE**

**Section I: Degree/Program Requirements**

**A. Institutional graduation requirements for this degree program.**

The graduation requirements for a transfer student pursuing this major will be no different than the graduation requirements for a native student, including the minimum number of semester credit hours required for graduation requirements.

Specifically, the student must:

- Complete 120 credit hours successfully,
- Successfully complete the 10 credit hour B.S. Degree Distinction graduation requirement (specific math and computer science courses),
- Successfully complete the 3 credit hour Human Performance and Wellness graduation requirement,
- Successfully complete the required 52 credit hours in the major,
- Earn a grade of 2.0 or higher for each course in the major and a 2.0 or higher overall GPA for all courses taken,
- Successfully complete the required 40 credit hours of upper division courses (numbered 300 or higher),
- Successfully complete the required number of elective credit hours toward the degree and,
- Meet graduation requirements regarding exit exams and/or any other major-specific requirements appearing on the student degree/program plan.

Baccalaureate of Science degree specifics: Mathematics courses are not included in the General Education requirements for this degree, but are in the degree specific graduation requirement known as Degree Distinction.

**B. Required courses in Major, including pre-requisites and required supporting courses.**

<b>Community College Required Courses:</b> Required courses to be taken as part of AA/AS degree to guarantee the completion of a baccalaureate degree in 60 additional credits after transfer.						
<u>Required courses</u>						
CHE 111 General Chemistry I (5)						
CHE 112 General Chemistry II (5)						
MAT 201 Calculus I (5)						
MAT 202 Calculus II (5)						
PHY 211 Physics: Calculus-based (5)						
<u>Recommended courses</u>						
MAT 203 Calculus III (5);						
PHY 212 Physics: Calculus-based II (5)						
<i>* Elective credit hours section of Mesa State degree will include all transfer credits not used in any other manner</i>						
<i>** Students at community colleges offering Physical Education courses may want to check with advisor regarding acceptable courses for fulfillment of Human Performance and Wellness graduation requirement.</i>						
<b>DEGREE PROGRAM REQUIREMENTS</b>						
	<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hours</b>	<b>CC Course Number</b>	<b>CC Course Name</b> (recommend these courses be taken while at CC)	<b>CC Credit Hours</b>

<b>Required Major Courses BS Physical Sciences, Chemistry concentration</b>						
	CHEM 211, CHEM 211L	Quantitative Analysis & Lab	3,1			
	CHEM 311, CHEM 311L	Organic Chemistry & Lab	4,1			
	CHEM 312, CHEM 312L	Organic Chemistry & Lab	4,1			
	CHEM 321	Physical Chemistry I	3			
	CHEM 322	Physical Chemistry II	3			
	CHEM 341	Advanced Laboratory I	2			
	CHEM electives	7 additional credit hours selected from defined list of upper division CHEM courses	7			
<b>Required Support courses Chemistry concentration</b>						
	MATH 253	Calculus III	4	MAT203	Calculus III	(4)
	PHYS 132, PHYS 132L	Electromagnetism/Optics & Lab	4,1	PHY212	Phys: Calculus-based III	(5)
<b>General Electives *</b>						
	Degree total 22 elective credits	Electives (see advisor for Upper Division credit hour requirements)	19			
<b>Other Gradation Requirements</b>						
B.S. Degree Distinction [requirement met by transfer]						
Human Performance and Wellness **			3			
<b>Graduation Requirements beyond AA/AS degree</b>			60			
<b>Associate of Arts/Science Degree</b>			60			
<b>TOTAL GRADUATION REQUIREMENTS</b>			120			

## Section II: Transfer of Credit

### A. Grade Eligibility

Only academic courses with a letter grade of C or better are transferable. If a course is taken pass/fail or satisfactory/unsatisfactory, the grade must be C or better to be satisfactory or pass.

For purposes of transfer acceptance only, a C- is considered the same as a C.

Mesa State College will accept and count toward meeting graduation requirements all state guaranteed general education courses that have a grade of C or better.

### B. Treatment of Advanced Placement (AP) and International Baccalaureate (IB) in awarding credit

Mesa State College accepts scores of 3 and above (dependent on subject type) for Advance Placement exams and scores of 5 and above (dependent on subject of exam and level of exam) for International Baccalaureate exams.

### C. Age of Transfer credit.

In general, Mesa State College will accept all approved credits earned within 15 years of transfer. Mesa State reserves the right to evaluate, on a course-by-course basis, any credits earned 15 or more years prior to enrollment.

