

**TRANSFER GUIDE
B.S. Physical Sciences
Physics 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 53 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 know as Degree Distinction.

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

Community College Required Courses: 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>					
MAT 201 Calculus I (5)					
MAT 202 Calculus II (5)					
MAT 203 Calculus III (4)					
MAT 265 Differential Equations (3)					
PHY 211 Calculus-based Physics I (5)					
PHY 212 Calculus-based Physics II (5)					
<u>Recommended course</u>					
Prefix and course number may vary by institution. See advisor for equivalent courses. (approved equivalent) Modern Physics (3)					
* <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>					
DEGREE PROGRAM REQUIREMENTS					
Course Number	Course Name	Credit Hours	CC Course Number	CC Course Name (recommend these courses be taken while at CC)	CC Credit Hours

Required Major Courses BS Physical Sciences, Physics concentration						
	PHYS 231	Modern Physics	3		Modern Physics	(3)
	PHYS 311	Electromagnetic Theory I	3			
	PHYS 321	Quantum Theory I	3			
	PHYS 322	Quantum Theory II	3			
	PHYS 331	Advanced Laboratory I	2			
	PHYS 332	Advanced Laboratory II	2			
	PHYS 362	Statistical & Thermal Physics	3			
	PHYS 421	Advanced Dynamics	3			
	PHYS 473	Modern Optics	3			
	PHYS 482	Senior Research (taken twice)	2			
	PHYS 494	Seminar (taken twice)	2			
	ENGR 251, ENGR 251L	Circuit Analysis & Lab	3,1			
Required Support courses Physics concentration						
	Math 360	Methods of Applied Math	3			
General Electives *						
	Degree total 21 elective credits	Electives (see advisor for Upper Division credit hour requirements)	21			
Other Graduation Requirements						
B.S. Degree Distinction [requirement met by transfer]						
Human Performance and Wellness **			3			
Graduation Requirements beyond AA/AS degree			60			
Associate of Arts/Science Degree			60			
TOTAL GRADUATION REQUIREMENTS			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.

