

TRANSFER GUIDE
B.S. in Physics
Metropolitan State College of Denver

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 hours required for graduation. Specifically, the student must meet the following requirements:

- Successfully complete at least 120 credit hours;
- Successfully complete the required 41 credit hours in the major, 10 of the credits should be taken at the community college;
- Successfully complete the required 24 upper-division credits in the major;
- Successfully complete a minor of at least 18 credit hours (some courses in the minor may be taken at the community college); and
- Successfully complete at least 40 upper-division credit hours.

B. Required courses in Major, including pre-requisites and required Support courses in the chart below:

COMMUNITY COLLEGE REQUIRED COURSES: Required courses to be taken as part of AA/AS degree to guarantee the completion a baccalaureate degree in 60 additional credits after transfer. List required courses here. MAT 201-5 Calculus I MAT 202-5 Calculus II PHY 211-5 Physics I – Calculus based PHY 212-5 Physics II – Calculus based						
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 (list)						
	PHY 2811	Modern Physics I	4			
	PHY 2821	Classical Physics	3			
	PHY 3011	Modern Physics II	3			
	PHY 3211	Analytical Mechanics	4			
	PHY 3411	Thermal Physics	3			
	PHY 3711	Physics Laboratory I	2			
	PHY 3811	Quantum Mechanics	3			
	PHY 4331	Electricity and Magnetism	4			
	PHY 4611	Computational Physics I (Senior Experience)	2			

	PHY 4711	Advanced Physics I Laboratory (Senior Experience)	2			
	PHY 4920	Physics Senior Seminar (Senior Experience)	1			
Elective Major Courses (credit hours)						
Required support courses (if applicable)						
	MTH 2420	Calculus III	4			
	MTH 3420	Differential Equations	4			
Required Minor Courses (if applicable) <i>A minor is required, but not a specific minor. Only 7 additional credits are needed to complete a mathematics minor; completion of a different minor in 120 credits will take careful planning. The following are the additional requirements for a mathematics minor. All the mathematics courses listed count towards the mathematics minor.</i>						
	CSI 1050 or CSS 1247 or MTH 1510	Computer Science I or Intro. To Programming: Visual Basic or MTH 1510 Computer Programming: FORTRAN	4	CSC 160	Computer Science I	4
		Upper-division MTH	3			
Other graduation requirements						
Upper Division courses – Physics courses preferred			7			
Upper Division Multicultural Requirement			3			
Electives			4			
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. The four-year institution will accept and count toward meeting graduation requirements all state guaranteed general education courses that have a grade of C- or better provided the general education distribution is followed.

