



Program Coordinator/Advisor: Mick Davis

Mick.Davis@umpqua.edu

Program Prerequisites: See requirements needed for first term classes.

***offered every other year

*a grade of C or better

Possible Term Plan	Course Number	Course Number/Title	Credits	Terms	Prerequisites/Notes
Term 1	MTH 251	Calculus I*	5	F,W	Required for Physics Transfer
	CH 221	General Chemistry I*	5	F	Required for Physics Transfer
	WR 121	Academic Composition*	4	F,W,S,Su	AAOT Foundational Requirement
Term 2	MTH 252	Calculus II*	4	W,S	Required for Physics Transfer
	CH 222	General Chemistry II*	5	W	Required for Physics Transfer
	WR122	Argument, Research and MMC*	4	F,W,S	AAOT Foundational Requirement. Technical Writing (WR 227) may be substituted.
	HPE 295	Health and Wellness Assessment*	3	F,W,S,Su	AAOT Foundational Requirement
Term 3	MTH 253	Calculus III*	4	S	Required for Physics Transfer
	MTH 261	Intro to Linear Algebra	2	S	Suggested for Physics Transfer
	CH 223	General Chemistry III*	5	S	Required for Physics Transfer
	SP 111	Fundamentals of Public Speaking*	3	F,W,S,Su	AAOT Foundational Requirement
Term 4	PH 211	General Physics I*	5	F	Required for Physics Transfer
	MTH 254	Vector Calculus*	4	F	Required for Physics Transfer
	CS 160	Orientation to Computer Science*	4	F	Suggested for Physics Transfer
	— —	Suggested options: HST 104*, PSY 201*, SOC 204*	3	F	Satisfies AAOT Social Sciences and Cultural Literacy Requirements
Term 5	PH 212	General Physics II*	5	W	Required for Physics Transfer
	MTH 256	Differential Equations*	4	W	Required for Physics Transfer
	CS 161	Computer Science I*	4	W	Suggested for Physics Transfer
	— — —	Suggested Options: SP 218*, SP 237*, ENG 230*	3	W	Satisfies AAOT Arts & Letters and Cultural Literacy Requirements
Term 6	PH 213	General Physics III*	5	S	Required for Physics Transfer
	MTH 265	Statistics for Scientists & Engineers*	4	S	Required for Physics Transfer
	CS 162	Computer Science II*	4	S	Suggested for Physics Transfer
	— — —	Suggested Options: ART 117*, SOC 213*, SP 237*, PSY 202*, SOC 205*, SOC 206*, PE 185__*	3	S	Elective to gain 90 credits for AAOT (without this course the path is 89 credits if 3-credit options are taken for earlier AAOT requirement. This course is not necessary if a 4-credit option is taken earlier). Suggested options not necessary for 90 credits are met by taking the prerequisites for math - for example MTH112 is a prereq for MTH251. A 1-credit PE 185 course could be taken to hit 90 credits exactly.

Advising Notes	This flightpath was designed for best alignment with the first two years of study for a physics student at an Oregon university, with the understanding that: 1) students at the university would begin taking 200-level physics topics courses that we do not offer, (such as waves and optics), during their second year; and 2) many students will not enter UCC prepared to begin the flightpath with MTH 251 and their plan will need adjustment and may take longer than 2 years
-----------------------	--

Required/ Recommended Equipment and Software	Graphing calculator and/or reliable access to an online graphing calculator
---	---