



AS

**Math and Science**

**Associate Degree**

**93 credits**

Date of update: 04/14/2021

*Physical Science Flightpath - Chemistry Track*

Program Coordinator/Advisor: J. Villa/ S. Breslin

Program Prerequisites: See requirements needed for first term classes.

Possible Term Plan	Course Number	Course Number/Title	Credits	Terms	Prerequisites/Notes
Term 1	MTH 251	Calculus I*	5	F,S	Required for Chemistry Transfer
	CH 221	General Chemistry I*	5	F	Required for Chemistry Transfer
	WR 121	Academic Composition	4	F,W,S,Su	AAOT Foundational Requirement
	HD 100	College Success	3	F,W,S,Su	
		<b>total</b>	<b>17</b>		

Term 2	MTH 252	Calculus II*	4	W,S	Required for Chemistry Transfer
	CH 222	General Chemistry II*	5	W	Required for Chemistry Transfer
	WR 122	Argument, Research and MMC*	4	F,W,S,Su	AAOT Foundational Requirement. Technical Writing (WR 227) may be substituted.
	HPE 295	Health and Wellness Assessment	3	F,W,S,Su	AAOT Foundational Requirement
		<b>total</b>	<b>16</b>		

Term 3	MTH 253	Calculus III*	4	S	Required for Chemistry Transfer
	CH 223	General Chemistry III*	5	S	Required for Chemistry Transfer
	SP 111	Fundamentals of Public Speaking	4	F,W,S,Su	AAOT Foundational Requirement
	WR 227	Technical Writing*	4	F,W,S,Su	
		<b>total</b>	<b>17</b>		

Term 4	PH 211	General Physics I*	5	F	Required for Chemistry Transfer
	CH 241	Organic Chemistry*	5	F	Required for Chemistry Transfer
	MTH 254	Vector Calculus*	4	F	Required at OSU
	— —	Suggested options: HST 104+, PSY 201+, SOC 204+	3	F	Satisfies AAOT Social Sciences and Cultural Literacy Requirements
		<b>total</b>	<b>17</b>		

Term 5	PH 212	General Physics II*	5	W	Required for Chemistry Transfer
	CH 242	Organic Chemistry II*	5	W	Required for Chemistry Transfer
	MTH 256	Differential Equations*	4	W	If MTH 254 is not required
	— — —	Suggested Options: SP 218+, SP 237+, ENG 230+	3	W	Satisfies AAOT Arts & Letters and Cultural Literacy Requirements
		<b>total</b>	<b>17</b>		

Term 6	PH 213	General Physics III*	5	S	Required for Chemistry Transfer
	CH 243	Organic Chemistry III*	5	S	Required for Chemistry Transfer
	— — —	Suggested Options: SOC 213+, SP 237+, PSY 202+, SOC 205+, SOC 206	3	S	Social Sciences Elective to meet all requirements for AS (without this course the path is 90 credits if 3-
		<b>total</b>	<b>13</b>		

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+Courses identified that meet the REQUIRED three credits for UCC AAOT Cultural Literacy'

\*Courses with required pre-/co-requisites (check catalogue course description-many may be Banner enforced)

Approved Electives	Course Number	Course Number/Title	Credits	Terms	Prerequisites/Notes
		See notes above.			

<b>Advising Notes</b>	This flightpath was designed for best alignment with the first two years of study for a Chemistry student at an Oregon university, with the understanding that: 1) students at the university would begin taking 200-level Chemistry topics courses that we do not offer, 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
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<b>Required/ Recommended Equipment and Software</b>	<b>Graphing calculator and/or reliable at-home access to an online graphing calculator</b>