

	Course	Title	Units	Sub	Option	Sequence	Double Count	Butte	CSU	IGETC	Prereqs
	Required Core (students must complete core courses plus one option)		21								
	MATH 28/28S	Precalculus /with Support		4		Year 1/Sem 1	-		-	-	Trigonometry or equivalent
	CHEM 51	Elementary Inorganic Chemistry		5		Year 1/Sem 1	-	3	A	B1/3 5A/C	Intermediate Algebra or equivalent
	ENGR 1	Introduction to Engineering		3		Year 1/Sem 1	-		-	-	
	MATH 30	Analytic Geometry and Calculus I		5		Year 1/Sem 2	-	3	E	B4 2A	MATH 20 and MATH 26, MATH 26s or college-level Pre-calculus
	MATH 31	Analytic Geometry and Calculus II		4		Year 2/Sem 1	-	E	B4 2A		MATH 30
AAM	Chemistry Option		18								
	CHEM 1	General Chemistry I		5		Year 1/Sem 2	-		A	B1/3 5A/C	CHEM 11 or CHEM 51 or one year of high school Chemistry; and Intermediate Algebra or equivalent
	CHEM 2	General Chemistry II		5		Year 2/Sem 1	-		A	B1/3 5A/C	CHEM 1
	PHYS 41	Physics for Scientists and Engineers I		4		Year 2/Sem 1	-		A	B1/3 5A/C	MATH 30
	PHYS 42	Physics for Scientists and Engineers II		4		Year 2/Sem 2	-		A	B1/3 5A/C	PHYS 41, MATH 31
AAM	Mathematics Option		10-12								
	MATH 32	Analytic Geometry and Calculus III		4		Year 2/Sem 2	-		E	B4 2A	MATH 31
	Select one:			3-4			-				
	MATH 40	Differential Equations		4		Year 2/Sem 2	-		E	B4 2A	MATH 31
	MATH 42	Linear Algebra		3		Year 2/Sem 2	-		E	B4 2A	MATH 30
	Select one:			3-4			-				
	CSCI 20	Programming and Algorithms I		3		Year 2/Sem 1	-		E	- -	None
	PHYS 41	Physics for Scientists and Engineers I		4		Year 2/Sem 1	-		A	B1/3 5A/C	MATH 30
	MATH 18/18s	Introduction to Statistics/with Support		4		Year 2/Sem 1	-		E	B4 2A	Intermediate Algebra or equivalent
AAM	Physics Option		17								
	CHEM 1	General Chemistry I		5		Year 1/Sem 2	-		A	B1/3 5A/C	CHEM 11 or CHEM 51 or one year of high school Chemistry; and Intermediate Algebra or equivalent
	PHYS 41	Physics for Scientists and Engineers I		4		Year 2/Sem 1	-		A	B1/3 5A/C	MATH 30
	PHYS 42	Physics for Scientists and Engineers II		4		Year 2/Sem 2	-		A	B1/3 5A/C	PHYS 41, MATH 31
	Select one:			4			-				
	MATH 32	Analytic Geometry and Calculus III		4		Year 2/Sem 2	-		E	B4 2A	MATH 31
	MATH 40	Differential Equations		4		Year 2/Sem 2	-		E	B4 2A	PHYS 41, MATH 31
AAM	Computer Science Option		16-17								
	CSCI 10	Computer Architecture and Organization		3		Year 2/Sem 2	-		-	- -	CSCI 20
	CSCI 20	Programming and Algorithms I		3		Year 1/Sem 2	-		E	- -	None
	CSCI 21	Programming and Algorithms II		3		Year 2/Sem 1	-		-	- -	CSCI 20
	PHYS 41	Physics for Scientists and Engineers I		4		Year 2/Sem 1	-		A	B1/3 5A/C	
	Select one:			3-4			-				
	CSCI 22	Discrete Structures		3		Year 2/Sem 2	-		-	- -	CSCI 20 and MATH 26 or MATH 26s or MATH 13 or MATH 13s
	PHYS 42	Physics for Scientists and Engineers II		4		Year 2/Sem 2	-		A	B1/3 5A/C	PHYS 41, MATH 31
AAM	Engineering Option		20-21								
	CHEM 1	General Chemistry I		5		Year 1/Sem 2	-		A	B1/3 5A/C	CHEM 11 or CHEM 51 or one year of high school Chemistry; and Intermediate Algebra or equivalent
	PHYS 41	Physics for Scientists and Engineers I		4		Year 2/Sem 1	-		A	B1/3 5A/C	MATH 30
	PHYS 42	Physics for Scientists and Engineers II		4		Year 2/Sem 2	-		A	B1/3 5A/C	MATH 31
	MATH 40	Differential Equations		4		Year 2/Sem 2	-		E	B4 2A	PHYS 41, MATH 31
	Select one:			3-4			-				
	ENGR 8	Statics		3		Year 2/Sem 2	-		-	- -	PHYS 41, MATH 31
	ENGR 17	Electrical Circuits and Devices		4		Year 2/Sem 2	-		-	- -	MATH 40 (or concurrent enrollment) and PHYS 42
	Program Total		31-42								