



2019–2020 Annual Schedule Engineering, Math, and Science Offerings

Quarters offered*

Course	Title	Su	F	W	Sp	Prerequisites
PHYS& 110	Physics: Non-Sci Majors w/Lab			●		MATH& 98
PHYS& 221	Engineering Physics 1 with Lab		●			MATH& 151 or instructor permission
PHYS& 222	Engineering Physics 2 with Lab			●		PHYS& 221
PHYS& 223	Engineering Physics 3 with Lab				●	PHYS& 222
ENGR 100	Introduction to Engineering		●			None
ENGR& 214	Statics				●	MATH& 142, coreq MATH& 151
ENGR& 215	Dynamics			●		MATH& 152
ENGR& 225	Mechanics of Materials		●			ENGR& 214
ENGR 203	Applied Numerical Methods			●		MATH& 152, MATH 118 recommended
ENGR& 204	Electric Circuits				●	MATH& 152 and PHYS& 222
CS& 131	Computer Science I C++			●	●	
CS& 141	Computer Science II Java		●			MATH 099
MATH 098	Algebra 1	●	●	●	●	MATH 096
MATH 099	Algebra 2	●	●	●	●	MATH 098
MATH& 141	Pre-Calculus I	●	●	●	●	MATH 099
MATH& 142	Pre-Calculus I	●	●	●	●	MATH& 141
MATH& 151	Calculus 1	●		●	●	MATH& 142
MATH& 152	Calculus 2		●		●	MATH& 151
MATH& 163	Calculus 3			●		MATH& 152
MATH 264	Calculus 4				●	MATH& 163
MATH 118	Linear Algebra		●			MATH& 142 or placement
MATH 212	Differential Equations				●	MATH& 163
CHEM& 139	General Chemistry Preparation	●				
CHEM& 161	General Chemistry with Lab 1		●	●		Placement quiz or CHEM& 139, MATH 099
CHEM& 162	General Chemistry with Lab 2			●	●	CHEM& 161 2.0 or greater or instructor permission
CHEM& 163	General Chemistry with Lab 3		●		●	CHEM& 162 2.0 or greater or instructor permission
CHEM& 261	Organic Chemistry 1		●			CHEM& 163 2.0 or greater or instructor permission
CHEM& 262	Organic Chemistry 2			●		CHEM& 261 2.0 or greater or instructor permission
CHEM& 263	Organic Chemistry 3				●	CHEM& 262 2.0 or greater or instructor permission
BIOL& 160	General Biology with Lab		●	●		
BIOL& 221	Majors Ecology/Evolution		●			HS biology or BIOL& 160 and MATH 098
BIOL& 222	Majors Cell/Molecular			●		high school bio & chem or BIOL& 160; CHEM 121 or 161 rec
BIOL& 223	Majors Organismal Physiology				●	BIOL& 221 or 222 or instructor permission

* Courses may be canceled or moved; Centralia College does not guarantee offerings in these quarters.