



Science, Technology, Engineering, & Research

 UNIVERSITY of ALASKA	Recommended High School Preparation	Occupational Endorsement Certificates	Certificates	Associate's Degrees	Bachelor's Degrees	Graduate Certificates and Degrees	Examples of Continuing Education and Professional Development
Science and Mathematics	<ul style="list-style-type: none"> • English/ Language Arts • Algebra/ Geometry/ Trigonometry/ Pre-Calculus or Statistics • Biology/ Chemistry/ Physics/Organic Chemistry • History/World Geography/ Economics 				<ul style="list-style-type: none"> • Anthropology (A,F) • Applied Physics (F) • Biological Sciences (A,F) • Biology (S) • Chemistry (A,F) • General Science (F) • Marine Biology (S) • Mathematics (A,F,S) • Natural Sciences (A) • Physics (F) • Social Sciences (S) • Statistics (F) 	<ul style="list-style-type: none"> • Anthropology (A,F) • Atmospheric Sciences (F) • Biochemistry/ Molecular Biology (F) • Biological Sciences (A,F) • Botany (F) • Chemistry (F) • General Science (F) • Geophysics (F) • Marine Biology (F) • Mathematics (F) • Oceanography (F) • Physics (F) • Science Management (A,F) • Space Physics (F) • Statistics (F) • Zoology (F) 	

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Engineering and Technology	<ul style="list-style-type: none"> • English/ Language Arts • Algebra/ Geometry/ Trigonometry/ Pre-Calculus or Statistics • Biology/ Chemistry/ Physics/Organic Chemistry • History/World Geography/ Economics 		<ul style="list-style-type: none"> • Geographic Information Systems (A) 	<ul style="list-style-type: none"> • Geomatics (A) 	<ul style="list-style-type: none"> • Civil Engineering (A,F) • Electrical Engineering (F) • Engineering (A) • Geomatics (A) • Mechanical/ Electrical Engineering Consortium (A) • Mechanical Engineering (F) • Technology (F) 	<ul style="list-style-type: none"> • Arctic Engineering (A,F) • Civil Engineering (A,F) • Computational Physics (F) • Electrical Engineering (F) • Engineering (F) • Engineering Management (A,F) • Mechanical Engineering (F) 	
Other programs that may lead to a career in this field				See also Agriculture, Natural Resources, & Environmental Studies			