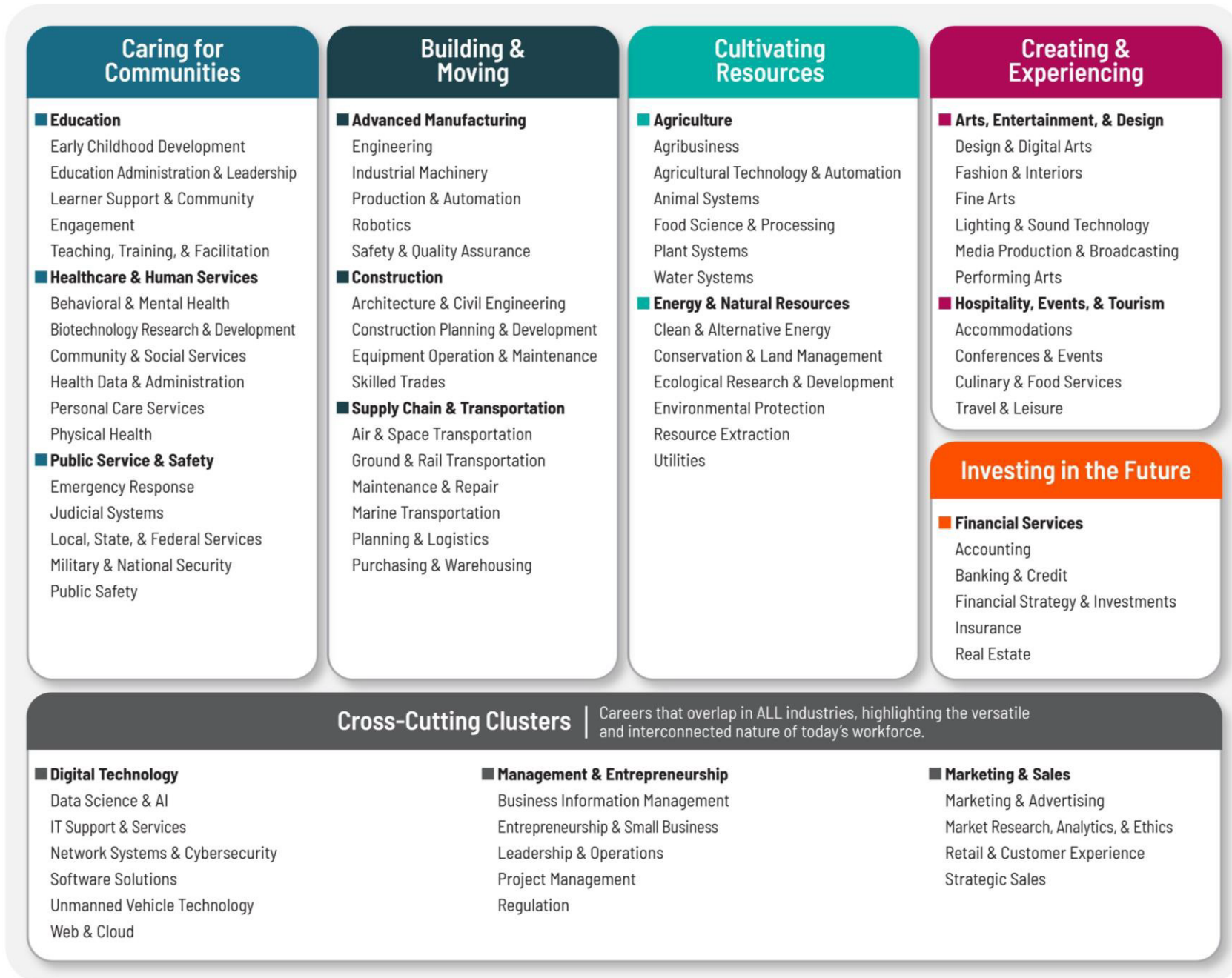


# Career Clusters and Sub-Clusters



# Advanced Manufacturing

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year	Welding		Additional Electives	Regional Postsecondary Schools	
9th	Welding I		<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th	Welding II			Central Wyoming College	
11th	Welding III				
12th					

## Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA	AS Engineering	AS STEM			
Bachelor's Degree					
Advanced Degree					

# Agriculture

## Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year			Additional Electives	Regional Postsecondary Schools	
9th			<input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th			<input type="checkbox"/> _____		
11th			<input type="checkbox"/> _____		
12th			<input type="checkbox"/> _____		

### Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA				
Bachelor's Degree				
Advanced Degree				

# Arts, Entertainment, & Design

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year	Performing Arts	Visual Arts and Design	Additional Electives	Regional Postsecondary Schools	
9th	Contemporary Music	General Art	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th	Piano I and II	Digital Media		Central Wyoming College	
11th	Beginning and Advanced Guitar	Photography			
12th	Drumline	Pottery			

## Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA	AA Art, Artist Certificate II	AA Film, AAS Film	AA Music, AA Theater	AAS New Media, AAS Photography	2-D Art Certificate I, 3-D Art Certificate II
Bachelor's Degree					
Advanced Degree					

# Construction

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year	Performing Arts	Design	Additional Electives	Regional Postsecondary Schools	
9th	Woods I		<input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th	Geometry in Construction Woods I or II		<input type="checkbox"/> _____ <input type="checkbox"/> _____	Central Wyoming College	
11th	Woods I or II	CAD I	<input type="checkbox"/> _____ <input type="checkbox"/> _____		
12th	Woods I or II	CAD II	<input type="checkbox"/> _____ <input type="checkbox"/> _____		

## Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA	Welding Certificate I	Welding Certificate II	AAS Welding	Electrical Certificate	
Bachelor's Degree					
Advanced Degree					

# Digital Technology

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year	Computer support specialist	Web Design and Programming	Additional Electives	Regional Postsecondary Schools	
9th	Computer Maintenance	Intro to Coding I	<div><input type="checkbox"/> _____</div> <div><input type="checkbox"/> _____</div> <div><input type="checkbox"/> _____</div> <div><input type="checkbox"/> _____</div> <div><input type="checkbox"/> _____</div> <div><input type="checkbox"/> _____</div>	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th	Cyber security I	Intro to Coding II		Central Wyoming College	
11th	Intro to Networking I	Web Development I			
12th	Network Security I	Web Development II			

Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA	Computer Technology Certificate I	Computer Technology Certificate II	AAS Computer Technology, AS Computer Science	AS Software Development	AAS Software Support Specialist
Bachelor's Degree					
Advanced Degree					

# Education

## Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year			Additional Electives	Regional Postsecondary Schools	
9th			<input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th			<input type="checkbox"/> _____		
11th			<input type="checkbox"/> _____		
12th			<input type="checkbox"/> _____		

### Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA				
Bachelor's Degree				
Advanced Degree				

# Energy & Natural Resources

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year			Additional Electives	Regional Postsecondary Schools	
9th			<input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th			<input type="checkbox"/> _____		
11th			<input type="checkbox"/> _____		
12th			<input type="checkbox"/> _____		
			<input type="checkbox"/> _____		

## Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA				
Bachelor's Degree				
Advanced Degree				



# Financial Services

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year			Additional Electives	Regional Postsecondary Schools	
9th			<input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th			<input type="checkbox"/> _____		
			<input type="checkbox"/> _____		
11th			<input type="checkbox"/> _____		
			<input type="checkbox"/> _____		
12th			<input type="checkbox"/> _____		

Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA				
Bachelor's Degree				
Advanced Degree				

# Healthcare & Human Services

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year			Additional Electives	Regional Postsecondary Schools	
9th			<input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th			<input type="checkbox"/> _____		
11th			<input type="checkbox"/> _____		
12th			<input type="checkbox"/> _____		
			<input type="checkbox"/> _____		

## Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA				
Bachelor's Degree				
Advanced Degree				

# Hospitality, Events, & Tourism

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year	Restaurant and Food Services		Additional Electives	Regional Postsecondary Schools	
9th	Family and Consumer Science I		<input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th	Family and Consumer Science II		<input type="checkbox"/> _____	Central Wyoming College	Central Wyoming College
11th	Culinary I		<input type="checkbox"/> _____		
12th	Culinary II		<input type="checkbox"/> _____		

## Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA	Culinary Arts Certificate I AAS Culinary Arts	Hotel & Restaurant Certificate II	AAS Hotel & Restaurant Management	AA Outdoor Education & Leadership	AS Outdoor Recreation
Bachelor's Degree	BAS Organizational Management & Leadership				
Advanced Degree					

# Management & Entrepreneurship

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year			Additional Electives	Regional Postsecondary Schools	
9th			<input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th			<input type="checkbox"/> _____		
11th			<input type="checkbox"/> _____		
12th			<input type="checkbox"/> _____		

Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA				
Bachelor's Degree				
Advanced Degree				

# Marketing & Sales

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year	Sales	Marketing	Additional Electives	Regional Postsecondary Schools	
9th	Careers	Careers Computer Applications	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th	Marketing	Financial Literacy		Central Wyoming College	Central Wyoming College
11th	Entrepreneurship I	Yearbook/ Publishing I			
12th	Entrepreneurship II	Yearbook/ Publishing I or II			

Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA	AS Business Administration				
Bachelor's Degree	BAS Organizational Management & Leadership				
Advanced Degree					

# Public Service & Safety

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year			Additional Electives	Regional Postsecondary Schools	
9th			<input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th			<input type="checkbox"/> _____		
11th			<input type="checkbox"/> _____		
12th			<input type="checkbox"/> _____		

## Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA				
Bachelor's Degree				
Advanced Degree				

# Supply Chain & Transportation

Regional High School Requirements and Programs

Year	English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Other Courses
9th	English I	Algebra I	Life Science	American Indian History/ World Geography	Arapaho or Shoshone	Physical Education	Pottery Photography Digital Media	CTE Family and cons. Welding I-III
10th	English II	Geometry or Geometry in Construction	Physical Science	World History	Arapaho or Shoshone	Advanced PE	Art I - IV Piano I Beginning Guitar	Culinary I Woods I-IV Geometry in
11th	English III	Algebra II, Statistics and	Chemistry, Environmental Science	American History/ Tribal Government	Arapaho or Shoshone	Advanced PE	Contemporary Music Piano II	Marketing Financial Literacy Yearbook
12th	English IV or College English	Pre - Calculus/ Trigonometry	Physics	US/ WY Government	Arapaho or Shoshone	Advanced PE	Drumline Advanced Guitar	Computer apps Entrepren I-II Auto I-II

Year	Automotive Engineering Technology		Additional Electives	Regional Postsecondary Schools	
9th	Auto I		<input type="checkbox"/> _____	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
10th	Auto II		<input type="checkbox"/> _____	Central Wyoming College	Central Wyoming College
11th	Auto III		<input type="checkbox"/> _____		
12th			<input type="checkbox"/> _____		

## Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA	Auto Technology Certificate I	Auto Technology Certificate II	AAS Automotive Technology	AAS Business Management	AA Business
Bachelor's Degree	BAS Organizational Management & Leadership				
Advanced Degree					