

## Plans of Study for 16 Career Clusters Using Actual Davenport Schools' Courses

<b>1 Agriculture, Food &amp; Natural Resources Career Cluster</b>			
<b>Pathways:</b> Food Products and Processing Systems Pathway, Plant Systems Pathway, Animal Systems Pathway, Power Structural and Technical Systems Pathway, Natural Resources Systems Pathway, Environmental Service Systems Pathway, Business Systems Pathway			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Environmental Studies, Zoology, Anatomy, or Physiology	AP Biology or Genetics
American Studies II	Contemporary Amer History or Historical Viewpoints	Geography and Economics	American Government or Psychology
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			
<b>2 Architecture &amp; Construction Career Cluster</b>			
<b>Pathways:</b> Design/Pre-construction Pathway, Construction Pathway, Maintenance/Operations Pathway			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physical Science or Physics	AP Chemistry or AP Biology
American Studies II	Contemporary Amer History or Historical Viewpoints	Geography and Economics or Psychology, or Sociology	American Government
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I	Computer Applications I	Computer Applications I	Computer Applications I

## Plans of Study for 16 Career Clusters Using Actual Davenport Schools' Courses

<b>3 Arts, A/V Technology &amp; Communications Career Cluster</b>			
<b>Pathways:</b> Audio and Video Technologies Pathway; Printing Technologies Pathway; Visual Arts Pathway; Performing Arts Pathway; Journalism and Broadcasting Pathway; Telecommunications Technologies Pathway.			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Journalistic Writing	American Literature & Advanced Writing or Writers' Studio	Contemporary Literature or Classical Literature and Media Experiences
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physics	AP Chemistry/Professional Chemistry
American Studies II	Contemporary American History or Historical Viewpoints	World Cultures, Psychology	Economics, Sociology, American Government
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			
<b>4 Business, Management &amp; Administration Career Cluster</b>			
<b>Pathways:</b> Management Pathway; Business Financial Management and Accounting Pathway; Human Resources Pathway; Business Analysis Pathway; Marketing and Communications Pathway; Administrative and Information Support Pathway			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physical Science or Physics	AP Chemistry or AP Biology
American Studies II	Contemporary Amer History or Historical Viewpoints	American Government and Economics or Psychology or Sociology	Modern Western Civ or Geography
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			

## Plans of Study for 16 Career Clusters Using Actual Davenport Schools' Courses

5 Education & Training Career Cluster			
<b>Pathways:</b> Administration and Administrative Support Pathway; Support Services Pathway; Teaching/Training Pathway			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physical Science or Physics	AP Chemistry or AP Biology
American Studies II	Contemporary American History or Historical Viewpoints	World Cultures and Psychology or Economics or Sociology	American Government
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			
6 Finance Career Cluster			
<b>Pathways:</b> Financial and Investment Planning Pathway; Business Financial Management Pathway Banking and Related Services Pathway; Insurance Services Pathway.			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physical Science or Physics	AP Chemistry or AP Biology
American Studies II	Contemporary American History or Historical Viewpoints	American Government and Economics or Psychology or Sociology	Modern Western Civilization or Geography
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			

## Plans of Study for 16 Career Clusters Using Actual Davenport Schools' Courses

<b>7 Government &amp; Public Administration Career Cluster</b>			
<b>Pathways:</b> Governance (Legislators and general government executives and staff) Career Pathway; National Security Career Pathway; Foreign Service Career Pathway; Planning Career Pathway; Revenue and Taxation Career Pathway; Regulation Career Pathway; Public and Nonprofit Management and Administration Career Pathway.			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences	American Authors or American Literature & Advanced Writing	AP Language & Composition and Classical Literature and Public Speaking
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physical Science or Physics	AP Chemistry or AP Biology
American Studies II	Contemporary Amer History or Historical Viewpoints	American Government and Sociology or Psychology or Economics	World Cultures
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			
<b>8 Health Science Career Cluster</b>			
<b>Pathways:</b> Therapeutic Services Pathway; Diagnostics Services Pathway; Health Informatics Pathway; Support Services Pathway; Biotechnology Research and Development.			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Zoology, Anatomy, or Physiology	AP Biology/Genetics or AP Chemistry/Professional Chemistry
American Studies II	Contemporary American History or Historical Viewpoints	World Cultures and Psychology or Economics or Sociology	American Government or Studies in American Government
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			

## Plans of Study for 16 Career Clusters Using Actual Davenport Schools' Courses

<b>9 Hospitality &amp; Tourism Career Cluster</b>			
<b>Pathways:</b> Restaurants and Food and Beverage Services Pathway; Lodging Pathway; Travel and Tourism Pathway; Recreation, Amusements and Attractions Pathway.			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physical Science or Physics	AP Chemistry or AP Biology
American Studies II	Contemporary American History or Historical Viewpoints	Geography or World Cultures and Psychology or Economics or Sociology	American Government or Studies in American Government
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			
<b>10 Human Services Career Cluster</b>			
<b>Pathways:</b> Early Childhood Development and Services Career Pathway; Counseling and Mental Health Services Career Pathway; Family and Community Services Career Pathway; Personal Care Services Career Pathway; Consumer Services Career Pathway.			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Anatomy & Physiology	Zoology
American Studies II	Contemporary American History or Historical Viewpoints	World Cultures and Psychology or Economics or Sociology	American Government or Studies in American Government
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			

## Plans of Study for 16 Career Clusters Using Actual Davenport Schools' Courses

<b>11 Information Technology Career Cluster</b>			
<b>Pathways:</b> Network Systems Pathway; Information Support Services; Interactive Media Pathway; Programming and Software Development Pathway.			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences or Journalistic Writing	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Newspaper Laboratory
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physical Science or Physics	AP Chemistry or AP Biology
American Studies II	Contemporary Amer History or Historical Viewpoints	American Government and Economics or Psychology or Sociology	Modern Western Civ or Geography
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			
<b>12 Law, Public Safety, Corrections &amp; Security Career Cluster</b>			
<b>Pathways:</b> Correction Services Pathway; Emergency and Fire Management Services Pathway; Security and Protective Services Pathway; Law Enforcement Services Pathway; Legal Services Pathway.			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physical Science or Physics	AP Chemistry or AP Biology
American Studies II	Contemporary Amer History or Historical Viewpoints	American Government and Sociology or Psychology or Economics	World Cultures
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			

## Plans of Study for 16 Career Clusters Using Actual Davenport Schools' Courses

<b>13 Manufacturing Career Cluster</b>			
<b>Pathways:</b> Precision Metal Production Pathway; Production Design, Operations, and Maintenance Pathway; Electromechanical Installation and Maintenance Pathway; Precision Technology Processes Pathway			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physics or Physical Science	AP Chemistry/Professional Chemistry
American Studies II	Contemporary American History or Historical Viewpoints	American Government and Economics or Psychology or Sociology	Modern Western Civ or Geography or World Cultures or Studies in American Government
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			
<b>14 Marketing, Sales &amp; Service Career Cluster</b>			
<b>Pathways:</b> Management and Entrepreneurship Pathway; Professional Sales and Marketing Pathway; Buying and Merchandising Pathway; Marketing Communication and Promotion Pathway; Marketing Information and Research Pathway; Distribution and Logistics Pathway; E-Marketing Pathway.			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences or Journalistic Writing	American Literature & Public Speaking I	Contemporary Literature or Classical Literature & Advanced Writing or Guided Writing Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Physical Science or Biology I	Biology I or Chemistry I	Chemistry, or Physics	Physiology???
American Studies II	Contemporary Amer History or Historical Viewpoints and Modern Western Civ	Economics or Psychology or Sociology	American Government
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			

## Plans of Study for 16 Career Clusters Using Actual Davenport Schools' Courses

### 15 Science, Technology, Engineering & Mathematics Career Cluster

**Pathways:** Engineering and Technology Pathway; Professional Engineering Pathway; Science and Mathematics Pathway.

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 9	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature and Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physics	AP Chemistry/Professional Chemistry
American Studies II	Contemporary American History or Historical Viewpoints	American Government and Economics or Psychology or Sociology	Modern Western Civ or Geography or World Cultures or Studies in American Government
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			

### 16 Transportation, Distribution & Logistics Career Cluster

**Pathways:** Transportation Operations Pathway; Logistics Planning and Management Services Pathway; Warehousing and Distribution Center Operations Pathway; Facility and Mobile Equipment Maintenance Pathway; Transportation Systems/ Infrastructure Planning, Management, and Regulation Pathway; Health, Safety and Environmental Pathway; Sales and Service Pathway.

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman English	Speech & Writing Experiences	American Literature & Advanced Writing or Guided Writing Projects	Contemporary Literature or Classical Literature & Guided Literature Projects
Algebra I (or Geometry)	Geometry (or Algebra II)	Algebra II (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Stats (or AP Calc)
Molecular Biology	Chemistry	Physics or Physical Science	Environmental Studies
American Studies II	Contemporary American History or Historical Viewpoints	American Government and Economics or Psychology or Sociology	Modern Western Civilization or Geography or World Cultures or Studies in American Government
PE/Health	PE/Health	PE/Health	PE/Health
Computer Applications I			