

*Winters Mill High School  
Academies*



**2012-2013**

# ARTS, HUMANITIES, AND COMMUNICATIONS

- Option A: Complete one of the state-approved career and technology completer programs outlined in Pathways to Careers.  
 Option B: Complete a career major outlined in Pathways to Careers.  
 Option C: Complete six credits in one academy; a minimum of four credits must be in a single strand and two credits in a different strand, within the same academy.

Option	Performing Arts Strand	Visual Arts and Design Strand	Humanities Strand	Communication Strand
<b>A</b>		<b>Completer Programs</b> Floral Design ( C ) p. 26 Textiles and Fashion Careers (C)p. 27		<b>Completer Programs</b> Media Communications Tech. (C)p. 26 Print Production ( C ) p. 27 Video Production ( C ) p. 28
<b>B</b>	<b>Career Majors</b> Drama- p. 29 Music Performance-p. 31	<b>Career Majors</b> Graphic Communications –p. 29 Industrial and Product Design-p. 30 Visual Fine Arts-p. 31	<b>Career Majors</b> History-p. 51 Humanities and Classical Studies-p. 30 Library and Media –p. 60	<b>Career Major</b> Mass Communication-p. 36
<b>C</b>	<b>Strand Courses</b> Ancient and Medieval History (.5) AP Language (1) AP Literature (1) AP Music Theory (1) AP Psychology (1) Applied Dance (.5 or 1) Business Comm. And Key. (1) Business Principles and Practices (1) Chorus (.5 or 1) Clothing (.5 or 1) Concert Band I (1) Creative Writing (.5) Dance I (.5) Dance II (.5 or 1) Drama I (.5) Drama II (.5) Drama III (.5) Ensemble Participation ( 1) Exploring Music (1) Honors Chorus (.5 or 1) Honors Festival Chorus (1) Honors Vocal Ensemble (1) Honors Music Theory (1) Honors Psychology (1) Honors Orchestra (1) Honors Wind Ensemble (1) Manuf. And Construction Tech. (1) Multicultural Lit. and Comp. (1) Music History & Literature ( 1) Psychology (1) Public Speaking (.5) Script Writing and Video Prod. (1) Technical Theater (.5) Vocal Ensemble (.5 or 1)	<b>Strand Courses</b> 2 & 3 Dimension Art ( 1) AP Physics (1) AP Psychology (1) AP Studio Art (1) Applied Art (.5) Business Comm. And Keyboarding (1) Business Principles and Practices (1) Clothing (.5 or 1) Economics (.5) Floral Design I (3) Floral Design II (3) Flower Design (.5) Graphic Communications (1) Honors Accounting I Honors Ceramics (1) Honors Commercial Art (1) Honors Digital Design in Photography (1) Honors Drawing (1) Honors Financial Mgmt. Using Software Appl. (1) Honors Mixed Media (1) Honors Painting (1) Honors Psychology (1) Honors Science Research I, II (1) Honors Studio Art (1) Horticulture (1) Issues in American Society (.5) Journalistic Writing (.5) Landscaping (.5) Manufacturing and Construction Tech. (1) Marketing (1) Multicultural Lit. and Comp. (1) Print Production (3) Psychology (1) Public Speaking (.5) Sociology (.5) Technical Issues and Impacts (1) Textiles and Fashion Careers I (3) Textiles and Fashion Careers II (3) Video Production (3) Yearbook Production (.5 or 1)	<b>Strand Courses</b> American Revolution/Civil War (.5) American Sign Language IV (1) Ancient and Medieval History (.5) AP European History (1) AP French (1) AP German (1) AP Language (1) AP Latin (1) AP Literature (1) AP Psychology (1) AP Spanish (1) AP U.S. History (1) AP World History (1) Art I (1) Business Comm. And Keyboarding (1) Desktop Publishing (1) Drama I (.5) Drama II (.5) Drama III (.5) Graphic Communications(1) Honors French III, IV (1) Honors German III, IV (1) Honors Latin III (1) Honors Psychology (1) Honors Spanish III, IV (1) International Studies (.5) Issues in American Society (.5) Latin I, II, III (1) Multicultural Lit. and Comp. (1) Music History and Literature ( 1) Psychology I (1) Public Speaking (.5) Script Writing and Video Production (1) Sign Language, III, IV (1) Sociology (.5) World Geography (.5)	<b>Strand Courses</b> 2 & 3 Dimension Art (1) AP French (1) AP German (1) AP Psychology (1) AP Spanish (1) Business Comm. And Keyboarding (1) Business Law (1) Business Principles and Practices (1) Creative Writing (.5) Desktop Publishing (1) Drama I (.5) Drama II (.5) Drama III (.5) Economics (.5) Graphic Communications (1) Honors Commercial Art (1) Honors Digital Design in Photography (1) Honors Financial Management Using Software Applications (1) Honors Psychology (1) Journalistic Writing (.5) Manufacturing and Const. Tech. (1) Marketing (1) Print Production (3) Psychology (1) Public Speaking (.5) Sociology (.5) Script Writing and Video Production (1) Sign Language, III, IV (1) Video Production (3)

Other credits that may be applied to the six academy credits:

- One credit of work-based learning experience through Career Connections.
  - Four credits earned in Advanced Placement courses from any strand in any academy area
- Courses that can be repeated for credit can only count for a maximum of two academy credits.

(C)-Offered at CCCTC

(H)-Offered at Home School

(WHS)-Offered at Westminster High School

# BUSINESS AND INFORMATION MANAGEMENT

- Option A: Complete one of the state-approved career and technology completer programs outlined in Pathways to Careers.  
 Option B: Complete a career major outlined in Pathways to Careers.  
 Option C: Complete six credits in one academic/career focus area; a minimum of four credits must be in a single strand.

Option	Business Administration and Management Strand	Advertising and Marketing Strand	Information Management Strand
<b>A</b>	<b>Completer Programs</b> Accounting (H) p. 40 Administrative Services (H) p. 40 Business Administration and Management (H) p. 41 Financial Services / Academy of Finance (WHS) p. 42	<b>Completer Program</b> Marketing (H) p. 34 Print Production (C) p. 28 Video Production (C) p. 27	<b>Completer Programs</b> Computer Technology (C) p. 41
<b>B</b>	<b>Career Majors</b> Actuarial Science –p. 43 Economics-p. 49 Hospitality and Tourism-p. 35 Human Resources Management-p. 43 International Business-p. 36 Operations Management-p. 44	<b>Career Majors</b> Advertising-p. 35 Public Relations-p. 37	<b>Career Major</b> Information Systems Management-p. 44
<b>C</b>	<b>Strand Courses</b> Honors Accounting I (1) Accounting II (1) Advanced Marketing (1) Advanced Software Applications (1) AP Calculus (1-2) AP French (1) AP German (1) AP Latin (1) AP Macroeconomics (1) AP Probability and Statistics (1) AP Psychology (1) AP Spanish (1) Business Comm. And Keyboarding (1) Business Law (1) Business Principles and Practices (1) Creative Writing (.5) Desktop Publishing (1) Economics (.5) Honors Calculus (1) Honors E-Commerce (1) Honors Finance Academy I (2) Honors Finance Academy II (1) Honors Financial Management Using Software Applications (1) Honors French III (1) Honors French IV (1) Honors German III (1) Honors German IV (1) Honors Latin III (1) Honors Principles of Engineering (1) Honors Trigonometry and Pre-Calculus (1) Honors Psychology (1) Honors Spanish III (1) Honors Spanish IV (1) International Studies (.5) Issues in American Society (.5) Manufacturing and Construction Tech. (1) Marketing (1) Office Systems Management (1) Probability and Statistics (.5) Psychology I (1) Public Speaking (.5) Sociology (.5) Technical Drawing and CADD(1) Trigonometry and Pre-Calculus World Geography (.5)	<b>Strand Courses</b> 2 & 3 Dimension Art ( 1) Accounting II (1) Graphic Communications (1) Advanced Marketing (1) AP English Literature and Composition (1) AP English Language and Composition (1) AP Psychology (1) AP Probability and Statistics (1) Business Comm. And Keyboarding (1) Business Law (1) Business Principles and Practices (1) Creative Writing (.5) Desktop Publishing (1) Economics (.5) Graphic Communications (1) Honors Accounting I (1) Honors Commercial Art (1) Honors Financial Management Using Software Applications (1) Honors Psychology (1) Issues in American Society (.5) Journalistic Writing (.5) Marketing (1) Multicultural Lit. and Comp. (1) Office Systems Management (1) Political Science (.5) Print Production (3) Probability and Statistics (1) Psychology I (1) Public Speaking (.5) Script Writing and Video Production (1) Sociology (.5) Technical Issues and Impacts (1) Video Production (3) World Geography (.5) Yearbook Production (.5 or 1)	<b>Strand Courses</b> Accounting II (1) Advanced Marketing (1) Advanced Software Applications (1) AP Calculus (1) AP Macroeconomics (1) AP Psychology (1) AP Probability and Statistics (1) Business Comm. And Keyboarding (1) Business Law (1) Business Principles and Practices (1) Foundations of Homeland Security (1) Honors Accounting I (1) Honors Calculus (1) Honors Computer Technology I (3) Honors Computer Technology II (3) Honors Financial Management Using Software Applications (1) Honors Psychology (1) Honors Trigonometry and Pre-Calculus (1) Issues in American Society (.5) Principles of Engineering (1) Probability and Statistics (1) Psychology (1) Sociology (.5) Trigonometry and Pre-Calculus (.1)

Other credits that may be applied to the six academy credits:

- One credit of work-based learning experience through Career Connections.
- Four credits earned in Advanced Placement courses from any strand in any academy area.

Courses that can be repeated for credit can only count for a maximum of two academy credits.

(C)-Offered at CCCTC      (H)-Offered at Home School      (WHS)-Offered at Westminster High School

# HEALTH, HUMAN, AND SOCIAL SCIENCES

- Option A: Complete one of the state-approved career and technology completer programs outlined in Pathways to Careers.  
 Option B: Complete a career major outlined in Pathways to Careers.  
 Option C: Complete six credits in one academy; a minimum of four credits must be in a single strand and two credits in a different strand, within the same academy.

Option	Health and Medical Services Strand	Human Services Strand	Social Sciences Strand
<b>A</b>	<p style="text-align: center;"><b>Completer Programs</b></p> Academy of Health Professionals ( C ) p. 46 Emergency Services Technology ( C ) p. 58	<p style="text-align: center;"><b>Completer Programs</b></p> Cosmetology ( C ) p. 56 Culinary Arts ( C ) p. 56 Early Childhood Education ( C ) p. 57 Education-Middle/High ( C ) p. 57 Food Service and Hospitality Management ( C ) p. 58	
<b>B</b>	<p style="text-align: center;"><b>Career Majors</b></p> Food and Nutrition Science-p. 50	<p style="text-align: center;"><b>Career Majors</b></p> Family and Consumer Sciences-p. 59 Social Work-p. 60 Sports and Recreation-p. 61	<p style="text-align: center;"><b>Career Majors</b></p> Environmental Health-p. 50 International Studies--p. 51 Law and Legal Services-p. 59 Social Science-p. 53 Urban and Regional Planning-p. 61
<b>C</b>	<p style="text-align: center;"><b>Strand Courses</b></p> Advanced Foods (1) AP Biology (1) AP Chemistry (1) AP Probability and Statistics (1) AP Psychology (1) Business Comm. And Keyboarding (1) Chemistry II (1) CNA – Theory and Clinical Experience (1) Food and Nutrition Science (1) Emergency Services Technology (4) Health Career Technician Honors Biomedical Research (1) Honors Chemistry II (1) Honors Found. of Medicine and Health Science (1) Honors Health Care Technician and Clinical Exp. (1) Honors Human Anatomy and Physiology (1) Honors Human Body Systems (1) Honors Medical Interventions (1) Honors Psychology (1) Honors Principles of Biomed. Sciences (1) Honors Science Research I, II (1) Honors Structure and Function of Human Body (1) Honors Surgical Tech. and Clinical Exp. (1) Honors Trigonometry and Pre-Calculus (1) Health II (.5) Human Anatomy and Physiology (1) Introduction to Agriculture, Food, and Natural Resources (1) Introduction to Foods (.5) Issues in American Society (.5) Probability and Statistics (1) Psychology (1) Public Speaking (.5) Sociology (.5) Trigonometry and Pre-Calculus (1)	<p style="text-align: center;"><b>Strand Courses</b></p> Accounting II (1) Advanced Child Development Laboratory (1) Adv. Cosmetology Theory and Application (6) Advanced Foods (1) American Sign Language (1) AP Biology AP Environmental Studies (1) AP English Literature and Composition (1) AP English Language and Composition (1) AP Psychology (1) AP Probability and Statistics (1) Applied Dance (.5-1) Business Comm. And Keyboarding (1) Business Law (1) Business Principles and Practices (1) Child and Adolescent Development (1) Child Development Laboratory (1) Chemistry II (1) Clothing (.5 or 1) Culinary Arts I, II ( 3 each) Dance I (.5) Drama I , II, III (.5 each ) Economics (.5) Education Academy Internship (1) Early Childhood Education Seminar (2) Flower Design (.5) Food and Nutrition Science (1) Food Service Professional I, II (1) Foundations of Curriculum and Instruction (1) French I, II ( 1 ) Health II (.5) Honors Accounting I (1) Honors Chemistry II (1) Honors Financial Management Using Software Applications (1) Honors Human Anatomy and Physiology (1) Honors Psychology (1) Honors Spanish III , IV (1 each) Human Anatomy and Physiology (1) Individual/Dual Sports (.5) Introduction to Foods (.5) Issues in American Society (.5) Journalistic Writing (.5) Marketing (1) Mastery of Cosmetology (3) Organization & Administration in Physical Education (.5) Peer Facilitating (.5) Personal Fitness (.5) Personal Relationships & Effective Parenting (1) Political Science (.5) Principles and Practices of Cosmetology (3) Probability and Statistics (1) Psychology I (1) Public Speaking (.5) Sociology (.5) Spec. Educ. Aide (.5) Teaching as a Profession (1) Team Sports (.5) Weight Training (.5) and Adv. Weight Training (1)	<p style="text-align: center;"><b>Strand Courses</b></p> 2 & 3 Dimension Art (1) AP Biology (1) AP Chemistry (1) AP English Literature and Composition (1) AP English Language and Composition (1) AP Environmental Studies (1) AP European History (1) AP French (1) AP German (1) AP Latin (1) AP Macroeconomics (1) AP Psychology (1) AP Probability and Stat. (1) AP Spanish (1) Business Comm. And Keyboarding (1) Chemistry II (1) Child and Adolescent Development (1) Business Law (1) Earth and Space Science (.5) Ecology (.5) Economics (.5) Environmental Conservation (1) Honors Chemistry II (1) Honors Financial Management Using Software Applications (1) Health II (.5) Honors French III (1) Honors French IV (1) Honors German III (1) Honors German IV (1) Honors Latin III (1) Honors Psychology (1) Honors Science Research I (1) Honors Science Research II (1) Honors Spanish III (1) Honors Spanish IV (1) International Studies (.5) Issues in American Society (.5) Landscaping (.5) LET I – LET VIII (1 each) Marketing (1) Multicultural Lit. and Comp. (1) Music History and Lit. (1) Peer Facilitating (.5) Personal Relationships and Effective Parenting (1) Political Science (.5) Probability and Statistics (1) Psychology I (1) Public Speaking (.5) Sociology (.5) Technical Issues and Impacts (1) World Geography (.5)

Other credits that may be applied to the six academy credits:

- One credit of work-based learning experience through Career Connections.
- Four credits earned in Advanced Placement courses from any strand in any academy area.

Courses that can be repeated  
(C)-Offered at CCCTC

# SCIENCE, TECHNOLOGY, ENGINEERING AND MATH

Option A: Complete one of the state-approved career and technology completion programs outlined in Pathways to Careers.

Option B: Complete a career major outlined in Pathways to Careers.

Option C: Complete six credits in one academy; a minimum of four credits must be in a single strand and two credits in a different strand, within the same Academy.

Option	Agriculture and Veterinary Science Strand	Applied Technology Strand	Math and Science Strand
<b>A</b>	<p><b>Completer Programs</b></p> <p>Animal and Veterinary Science (H) p. 47 Horticulture (H) p. 48 Landscaping Design and Construction (C) p. 70 Wildlife and Natural Resources Management (H) p. 48</p>	<p><b>Completer Programs</b></p> <p>Auto Service Technology (C) p. 64 Building Maintenance (C) p. 64 Carpentry (C) p. 65 CISCO Networking System (C) p. 66 Collision Repair Technology (C) p. 67 Drafting (C) p. 67 Electrical Construction (C) Heating, Ventilation, and Air Conditioning (C) p. 68 Heavy Equipment and Truck Tech. (C) p. 69 Manufacturing and Machine Technologies (C) p. 70 Masonry (C) p. 71 Welding Technology (C) p. 71</p>	<p><b>Completer Programs</b></p> <p>Engineering Technology (C) p. 68 (Project Lead The Way) Biomedical Science p. 47 (Project Lead The Way (C))</p>
<b>B</b>	<p><b>Course Major</b></p> <p>Life Science- p. 52</p>		<p><b>Course Majors</b></p> <p>Mathematics p. 52 Physical Science p. 53 Computer Science and Systems Analysis p. 49</p>
<b>C</b>	<p><b>Strand Courses</b></p> <p>Agricultural Mechanical Technology (1) Animal Care and Management (1) AP Biology (1) AP Calculus (1) AP Chemistry (1) AP Environmental Studies (1) AP Physics (1) AP Probability and Statistics (1) AP Psychology (1) Business Principles and Practices (1) Chemistry II Ecology (.5) Environmental Conservation (1) Equine Science (.5) Flower Design (.5) Health II (.5) Honors Accounting I (1) Honors Calculus (1) Honors Chemistry II Honors Financial Management Using Software Applications (1) Honors Human Anatomy and Physiology (1) Honors Latin III (1) Honors Trigonometry and Pre-Calculus Honors Psychology (1) Honors Science Research I, II, III, IV (1) Horticulture (1) Human Anatomy and Physiology (1) Introduction to Agriculture, Food, and Natural Resources (1) Issues in American Society (.5) Landscaping (.5) Landscaping Design and Construction I (3) Landscaping Design and Construction II (3) Marketing (1) Probability and Stat. (1) Public Speaking (.5) Psychology (1) Science Lab Aide (.5 or 1) Science Research III, IV (1) Sociology (.5) Technical Issues and Impacts (1) Trigonometry and Pre-Calculus Veterinary Science (1) Wildlife Management (.5)</p>	<p><b>Strand Courses</b></p> <p>2D/3D Art Accounting II Agricultural Mechanical Technology (1) AP Calculus (1) AP Physics Auto Service Technology I (3) Auto Service Technology II (3) Building Maintenance I (3) Building Maintenance II (3) Business Comm. And Keyboarding (1) Business Law (1) Business Principles and Practices (1) Carpentry I (3) Carpentry II (3) CCNA Discovery I, II, III, IV (3) Chemistry II (1) Collision Repair Technology I (3) Collision Repair Technology II (3) Drafting I (3) Drafting II (3) Electrical Construction I (3) Electrical Construction II (3) Honors Financial Management Using Software Appl. (1) Graphic Communication (1) Heating, Ventilation, and Air Conditioning I (3) Heating, Ventilation, and Air Conditioning II (3) Heavy Equip. and Truck Tech. I (3) Heavy Equip. and Truck Tech. II (3) Honors Accounting I Honors Chemistry II Honors Calculus (1) Honors Commercial Art (1) Honors Trigonometry and Pre-Calculus(1) Issues in American Society (.5) Manufacturing and Machine Technologies I (3) Manufacturing and Machine Technologies II(3) Masonry I (3) Masonry II (3) PC Hardware/Software (3) Public Speaking (.5) Spatial Technology and Remote Sensing I (1) Spatial Technology and Remote Sensing II (1) Technical Design (1) Technical Issues and Impacts (1) Technical Support and Networking I, II (3 each) Trigonometry and Pre-Calculus(.5) Welding Technology I, II (3 each)</p>	<p><b>Strand Courses</b></p> <p>Advanced Software Applications (1) AP Biology (1) AP Calculus (1) AP Chemistry (1) AP German (1) AP Physics (1) AP Probability and Statistics (1) Business Principles and Practices (1) Chemistry II (1) Computer Integrated Manufacturing (1) Digital Electronics (1) Earth and Space Science (.5) Honors Financial Mgmt Using Software Applications (1) Graphic Communications (1) Health II (.5) Honors Biomedical Research (1) Honors Calculus (1) Honors Chemistry II (1) Honors Engineering Design and Dev. (1) Honors Human Anatomy and Physiology (1) Honors Human Body Systems (1) Honors Medical Interventions (1) Honors Principles of Biomedical Sciences (1) Honors Principles of Engineering (1) Honors Science Research I, II, III, IV (1) Honors Trigonometry and Pre-Calculus (1) Human Anatomy and Physiology (1) Human Body Systems (1) Introduction to Engineering Design (1) Issues in American Society (.5) Principles of Biomedical Sciences (1) Probability and Statistics (.5) Science Lab Aide (.5 or 1) Science Research III, IV (1) Spatial Technology and Remote Sensing I (1) Spatial Technology and Remote Sensing II (1) Technical Design (1) Technical Issues and Impacts (1) Trigonometry and Pre-Calculus(1) World Geography (.5) Veterinary Science (.5)</p>

Other credits that may be applied to the six academy credits:

- One credit of work-based learning experience through Career Connections.
- Four credits earned in Advanced Placement courses from any strand in any Academy area.

Courses that can be repeated for credit can only count for a maximum of two academy credits.

(C)-Offered at CCCTC

(H)-Offered at Home School