

Arts, Humanities, and Communications

In order to earn an Academy Certificate, the student must complete six credits in one academic/career focus area; a minimum of four credits must be in a single strand.

Option	Creative/Performing Arts Strand	Applied Arts – Visual	Humanities Strand	Applied Arts – Written and Spoken
A		<u>Completer Programs</u> Digital Fabrication & Manufacturing Interactive Media Production Textiles and Fashion Careers		<u>Completer Programs</u> Print Production Video Production
B	<u>Career Majors</u> Drama Music	<u>Career Majors</u> Graphic Communications Industrial and Product Design Visual Fine Arts	<u>Career Majors</u> Humanities and Classical Studies	
C H = Honors class	<u>Strand Courses</u> Advanced Design Applications (1) AP Music Theory (1) AP Psychology (1) Business Communication & Keyboarding (1) Chorus I (1) Creative Writing (.5) Drama I, (.5) Drama II, (.5) Drama III (.5) Electronic Music (1) Ensemble Participation (.5-1) Honors Chorus (1) Honors Festival Chorus (1) Honors Jazz Ensemble (1) Honors Orchestra (1) Honors Symphonic Band (1) Honors Theater Production & Analysis (1) Honors Vocal Ensemble (1-2) Honors Wind Ensemble (1) Independent study (.5-1) Orchestra (1) Personal Fitness (.5) Principles of Business Admin & Mgt. (1) Psychology I (1) Honors Psychology I (1) Public Speaking (.5) Scriptwriting & Video Production (1) Speech and Debate (.5) Technical Theatre (.5)	<u>Strand Courses</u> Advanced Design Applications (1) Advanced Interactive Gaming (2) Advanced Interactive Media Production (1) Advanced Simulation Gaming (2) Agricultural Science-Plant AP Psychology (1) AP Studio Art: 2D (1) AP Studio Art: 3D (1) AP Studio Art: Drawing (1) Applied Art (.5-1) Art II: 2- & 3-Dimension Art (1) Business Communications & Keyboarding (1) Honors Applied Art (1) Honors Ceramics (1) Honors Commercial Art (1) Honors Digital Design (1) Honors Drawing (.5-1) Honors Interactive Media Production (1) Honors Marketing (1) Honors Mixed Media (1) Honors Newspaper Production (1) Honors Painting (.5-1) Honors Principles of Art, Media, and Communication (1) Honors Psychology I (1) Honors Studio Art (1) Honors Yearbook Production (1) Independent Study (.5-1) Media Production (2) Principles of Business Admin & Mgt. (1) Principles of Engineering (1) Principles of Fashion & Interior Design (1) Print Production (1) Psychology (1) Sociology (.5) Technological Design Textiles & Fashion Careers I (3) & II (3) Video Production (3)	<u>Strand Courses</u> American Revolution/Civil War (.5) Ancient & Medieval History (.5) AP Capstone Research (1) AP Capstone Seminar (1) AP European History (1) AP French (1) AP German (1) AP Human Geography (1) AP Language & Composition (1) AP Literature & Composition (1) AP Psychology (1) AP Spanish (1) AP US Government & Politics (1) AP US History (1) AP World History (1) Art I (1) Business Communications & Keyboarding (1) H Film & Literature (.5) H French III (1) H French IV (1) H German III (1) H German IV (1) H Humanities (.5) H Spanish III (1) H Spanish IV (1) H Twentieth Century Novel (.5) Independent Study (.5-1) Issues in American Society (.5) Mythology (.5) or Political Science (.5) Psychology I (1) or H Psychology I (1) Scriptwriting & Video Production (1) Shakespeare (.5) Sociology (.5)	<u>Strand Courses</u> Advanced Marketing (1) AP Capstone Research (1) AP Capstone Seminar (1) AP Language & Composition (1) AP Literature & Composition (1) AP Macroeconomics (1) Business Communications & Keyboarding (1) Creative Writing (.5) H Commercial Art (1) H Film and Literature (.5) H Marketing (1) Independent Study (.5-1) Newspaper Production (1) Pop Culture and Composition (.5) Print Production (3) Public Speaking (.5) Scriptwriting & Video Production (1) Speech and Debate (.5) Video Production (3)

Other credits that may be applied to the six-credit academic/career focus requirement:

- Career based Internships, must be in the same strand (.5-2 credits)
- Advanced Placement courses from any strand in any Academic/Career Focus Area, provided it is not a graduation requirement. (1 credit)
- Independent Study (.5-1 credits)
- Dual enrollment, provided it is not a graduation requirement (.5-1 credit)

Courses that can be repeated for credit can only count for a maximum of two credits toward the academic/career focus.

BUSINESS AND INFORMATION MANAGEMENT

In order to earn an Academy Certificate, the student must 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
A	<u>Completer Programs</u> Accounting Administrative Services Business Administration and Management Financial Services/Academy of Finance Endorsement	<u>Completer Programs</u> Marketing	<u>Completer Programs</u> CISCO Networking Academy Computer Science
B	<u>Career Majors</u> Actuarial Science Economics Hospitality and Tourism Human Resources Management International Business Operations Management	<u>Career Majors</u> Advertising Mass Communications Public Relations	<u>Career Majors</u> Computer Science and Systems Analysis Information Systems Management
C H = Honors class	<u>Strand Courses</u> Accounting II (1) Advanced Business Management (1) Advanced Marketing (1) AP European History (1) AP French (1) AP German (1) AP Macroeconomics (1) AP Statistics (1) AP Psychology (1) AP Spanish (1) Business Communications & Keyboarding (1) Business Law (1) DE Finance Course at CCC (1) Finance Academy II (1) Finance Internship (1) Financial Literacy (.5) H Accounting I (1) H Business Education Capstone (1) H Economics (.5) H Finance Academy I (1) H French III (1) or H French IV (1) H German III (1) or H German IV (1) H Marketing (1) H Psychology I (1) H Spanish III (1), H Spanish IV (1) Independent Study (.5-1) Internship or DE at CCC (1) Issues in American Society (.5) Managing Personal Finances Using Excel (.5-1) Principles of Business Administration & Management (1) Principles of Engineering (1) Psychology I (1) Public Speaking (.5) or Sociology (.5)	<u>Strand Courses</u> Advanced Business Management (1) Advanced Marketing (1) Advanced Software Applications (1) AP Language & Composition (1) AP Literature & Composition (1) AP Psychology (1) Art II: 2- & 3-Dimension Art (1) Business Communications & Keyboarding (1) Business Law (1) Creative Writing (.5) Drama I (.5), Drama II (.5) Financial Literacy (.5) H Accounting I (1) H Commercial Art (1) H Digital Design (1) H Marketing (1) & H Psychology I (1) Independent Study (.5-1) Managing Personal Finances Using Excel (1) Newspaper Production (1) Principles of Business Administration & Management (1) Psychology I (1) Public Speaking (.5) Script Writing and Video Production (1) Sociology (.5) Speech and Debate (.5) Video Production (3) Yearbook Production (.5 or 1)	<u>Strand Courses</u> Advanced Business Management (1) Advanced Topics in Computer Science (1) AP Calculus AB (1) AP Calculus BC (1) AP Computer Science Principles (1) AP Computer Science A (1) AP Statistics (1) Business Communications & Keyboarding (1) CISCO Networking- Exploring Computer Science (1) H Accounting I (1) H Advanced Topics in Computer Science (1) H Calculus (1) H Computer Science Capstone (1) H Computer Technology I (3) H Economics (.5) H Foundations of Computer Science (1) H Science Research I (1) H Science Research II (1) H Trigonometry & Pre-Calculus (1) Independent Study (.5-1) IT Internship (2) Probability & Statistics (1) Managing Personal Finances Using Excel (.5-1) PC Hardware and Software (3) Principles of Business Administration & Management (1) Science Research I (1) Science Research II (1) Spatial Technology & Remote Sensing 1 & 2 (S.T.A.R.S.) Spatial Technology & Remote Sensing 3 & 4 (S.T.A.R.S.) Trigonometry (.5)

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Health, Human, and Social Sciences

In order to earn an Academy Certificate, the student must complete six credits in one academic/career focus area; a minimum of four credits must be in a single strand.

Option	Health and Medical Services Strand	Human Services Strand	Social Sciences and Government Services Strand
A	<u>Completer Programs</u> Academy of Health Professionals	<u>Completer Programs</u> Cosmetology Culinary Arts Early Childhood Education Food Service & Hospitality Management/Pro Start Education: Middle and High School/TAM	<u>Completer Programs</u> Homeland Security/Criminal Justice Homeland Security/Geographic Information Systems & Technology J.R.O.T.C.
B	<u>Career Majors</u> Food and Nutrition Science	<u>Career Majors</u> Family and Consumer Studies Hospitality and Tourism Library and Media Social Work Sports and Recreation	<u>Career Majors</u> History International Studies Law and Legal Services Social Science Urban and Regional Planning
C H = Honors class	<u>Strand Courses</u> Advanced Foods (.5) AP Biology (1) AP Calculus AB (1) AP Calculus BC (1) AP Chemistry (1) AP Physics (1) AP Statistics (1) Biomedical Innovation (1) Business Communication & Keyboarding (1) CNA-Theory & Clinical (1) Chemistry II (1) Emergency Medical Technology (2) Emergency Preparedness Capstone (1) H Academy of Health Professionals Seminar & Internship (.5-3) H Calculus (1) H Chemistry II (1) H Foundations of Medicine & Health Science (1) H Health III (.5) H Human Anatomy & Physiology (1) H Science Research I (1) H Science Research II (1) H Science Research III (1) H Science Research IV (1) Structure and Functions of the Human Body (1) H Trigonometry & Pre-Calculus (1) Health II (.5) Independent Study (.5-1) Issues in American Society (.5) Physical Rehabilitation: Theory & Clinical (1) Sociology (.5) Specialized Medical Option (1)	<u>Strand Courses</u> Advanced Cosmetology: Theory and Application (3) Advanced Foods (.5 or 1) Advanced Laboratory – Child Development (1) Advanced Marketing (1) Advanced Software Applications (1) AP Biology (1) Barbell & Cross Training (.5) Business Communication & Keyboarding (1) Child Development Laboratory (1) Culinary Arts I (3) Culinary Arts II –Professional Baking & Pastry (3) Culinary Art II- Professional Cooking (3) Drama I (.5) Drama II (.5) Drama III (.5) Technical Theater (.5) Early Childhood Education Seminar and Internship (1-2) Food Service Professional I (1) & II (1) Foundations of Curriculum and Instruction (1) H Accounting I (1) & Accounting II (1) H Child and Adolescent Development (1) H Education Academy Seminar and Internship (2) H Health III (.5) H Human Anatomy & Physiology (1) H Prostart Internship (.5-2) H Marketing (1) H Spanish III (1) H Spanish IV (1) AP Spanish (1) H Teaching as a Profession (1) Health II (.5) Independent Study (.5-1) Individual/Dual Sports (.5) Introduction to Foods (.5) Issues in American Society (.5) Managing Personal Finances Using Excel (1) Mastery of Cosmetology (3) Peer Facilitating (.5-1) Personal Fitness (.5) Principles and Practices of Cosmetology (3) Principles of Business Administration & Management (1) Psychology (1) H Psychology I (1) AP Psychology (1) Public Speaking (.5) Sociology (.5) Team Sports (.5) Weight Training (.5) Advanced Weight Training (1)	<u>Strand Courses</u> Administration of Justice II (1) American Revolution / Civil War (.5) Ancient & Medieval History (.5) AP European History (1) AP French (1) AP German (1) AP Human Geography (1) AP Macroeconomics (1) AP Statistics (1) AP Psychology (1) AP US Government & Politics (1) AP US History (1) AP World History (1) Aquatic Environmental Science (.5) Business Communication & Keyboarding (1) Business Law (1) Emergency Preparedness Capstone (1) Environmental Conservation (1) Foundations of Homeland Security & Preparedness (1) Homeland Security & Emergency Preparedness Capstone (1) H Administration of Justice (1) H Earth Science (.5) H Earth & Space Science (.5) H French III (1) H French IV (1) H German III (1) H German IV (1) H International Studies (.5) H Law, Citizenship, and Society (.5) H Psychology (1) Independent Study (.5-1) Issues in American Society Leadership Education Training (L.E.T.) - I, II, III, IV, V, VI, VII, VIII (1 credit each) Mythology (.5) Peer Facilitating (.5-1) Political Science (.5) Psychology I (1) Public Speaking (.5) Sociology (.5) Spatial Technology & Remote Sensing (STARS) 1 & 2 (1) Spatial Technology & Remote Sensing (STARS) 3 & 4 (1) Speech and Debate (.5) Technological Design (1) Terrestrial Environmental Science (.5)

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Science, Technology, Engineering and Mathematics

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Option	Agriculture and Veterinary Science Strand	Engineering & other Applied Technologies Strand	Natural Sciences & Mathematics Strand
A	<u>Completer Programs</u> CASE Agricultural Sciences – Animal CASE Agricultural Sciences – Plant CASE Agriculture-Natural Resources Wildlife and Natural Resources Management	<u>Completer Programs</u> Applied Mechanical Engineering Apprenticeship Maryland Auto Service Technology Building Maintenance Carpentry Collision Repair Technology Digital Fabrication & Manufacturing Drafting Electrical Construction Heating, Ventilation, and Air Conditioning (HVAC) Heavy Equipment and Truck Technology Manufacturing & Machine Technology Masonry Welding Technology	<u>Completer Programs</u> Engineering Technology (Project Lead the Way) Biomedical Science (Project Lead the Way)
B	<u>Career Major</u> Environmental Health Life Science		<u>Career Majors</u> Mathematics Physical Science
C H = Honors class	<u>Strand Courses</u> Advanced Marketing (1) Agricultural Business, Research and Development (1) Agricultural Cooperative Internship (.5-2) Agricultural Mechanical Technology (1) Animal and Plant Biotechnology (1) AP Biology (1) AP Environmental Studies (1) AP Spanish (1) Aquatic Environmental Science (.5) Business Communication & Keyboarding (1) Business Law (1) CASE Agriculture, Business, Research, & Development (1) CASE Ag Science – Animal (1) CASE -Animal and Plant Biotechnology (1) CASE Ag Science – Plant (1) CASE Animal & Plant Technology (1) Chemistry II (1) Earth & Space Science (.5) Environmental Conservation (1) Health II (.5) H Agricultural Cooperative Internship (.5-2) H CASE Environmental Science and Issues (1) H CASE Introduction to Agriculture, Food, & Natural (1) H CASE Natural Resources and Ecology (1) H Chemistry II (1) H Earth & Space Science (.5) Resources (1) H Health III (.5) H Marketing (1) H Science Research I, II, III, IV (1 credit each) H Spanish III (1) H Spanish IV (1) Human Anatomy & Physiology (1) Independent Study (.5-1) Issues in American Society (.5) Physical Rehabilitation: Theory & Clinical Experience (1) Principles of Business Administration & Management (1) Public Speaking (.5) Science Research I, II, III, IV (1 credit each) Sociology (.5) Wildlife Management (.5)	<u>Strand Courses</u> Advanced Design Applications (1) H Advanced Design Application (1) Applied Mechanical Engineering (3) Auto Service Technology I (3) Auto Service Technology II (3) Building Maintenance I (3) Business Communication & Keyboarding (1) Carpentry I (3) Carpentry II (3) Collision Repair I (3) Collision Repair II (3) Drafting I (3) Drafting II (3) Electrical Construction I (3) Electrical Construction II (3) HVAC: Heating, Ventilation, & Air Conditioning I (3) HVAC: Heating, Ventilation, & Air Conditioning II (3) Heavy Equipment & Truck Technology I (3) Heavy Equipment & Truck Technology II (3) H Digital Fabrication Capstone (1) H Technological Design (1) Independent Study (.5-1) Introduction to 3D Printing (1) Manufacturing & Construction Technologies (1) Manufacturing & Machine Technologies I (3) Manufacturing & Machine Technologies II (3) Masonry I (3) Masonry II (3) Technological Issues and Impacts (1) Technological Design (1) Welding Technology I (3) Welding Technology II (3)	<u>Strand Courses</u> AP Biology (1) AP Calculus AB (1) AP Calculus BC (1) AP Capstone Research (1) AP Capstone Seminar (1) AP Chemistry (1) AP German (1) AP Physics C (1) AP Physics I (1) AP Statistics (1) Applied Mechanical Engineering (3) Aquatic Environmental Science (.5) Biomedical Innovation (1) Business Communication & Keyboarding (1) Chemistry II (1) Computer Integrated Manufacturing (1) Digital Electronics (1) Exploring Computer Science (1) H Calculus (1) H Chemistry II (1) H Earth and Space Science (.5) H Earth Science (.5) H Engineering Design and Development (1) H German III (1) H German IV (1) Principles of Engineering (1) H Science Research I, II, III, IV (1 credit each) H Trigonometry & Pre-Calculus (1) Human Body Systems (1) Independent Study (.5-1) Introduction to Engineering Design (1) Medical Intervention (1) Principles of Biomedical Sciences (1) Probability and Statistics (1) Science Research I, II, III, IV (1 credit each) Technical Mathematics (1) Technological Design (1) Terrestrial Environmental Science (.5) Trigonometry & Pre-Calculus (1)

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