

Arts & Communication Academy



Related Careers: Art Directors, Curator, Stage Manager, Museum and Exhibit Manager, Director, Performer (Musician, Actor), Music Directors and Composers, Audio and Video Technician, Sound Engineer, Producers and Directors, Editors, Writers and Authors, Public Relations and Fundraising Manager, News and Print Media, Journalist, Multimedia Artists and Animators, Interior Designers, Artist and Art Marketer, Graphic Designers

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| Course Title Key | Existing Courses | Potential Courses (Subject to Change) |
|---------------------|------------------|------------------------------------------|

| MIDDLE SCHOOL | HIGH SCHOOL | | | |
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| Area of Interest Courses (Grades 6-8) | Program of Study | Introductory Courses | Intermediate Courses | Advanced Courses |
| Area of Interest Gateway (Grade 6): Heroes Middle School Electives (Grades 7 & 8): Digital Art Draw It, Paint It, Print It Drop a Beat House of Style Digital Storytelling Sculpt It | Arts Production and Management | Behind the Scenes: Production and Technical Design | *Event Production | Live Production Experience |
| | Media Production and Recording | Elements of Media Production | *Music and Sound Recording *Broadcast and Video Production | Live Production Experience Creative Professional |
| | Mass Communications | Writing for Media | *Media Messaging and Design | |
| | Creative Design | Digital Design 1 Design Fundamentals | Digital Design 2 Drawing, Painting, Printmaking Photography | Creative Professional |
| | Additional Academy Elective Courses: | Acting Rock Band Essentials Interior Design | Public Speaking Fashion Merchandising and Design | |
| | CAPS Program: | CAPS Creative Media (Can substitute for the Advanced Course in the Media Production and Recording, Mass Communications, or Creative Design Programs of Study) | | |

*Indicates new courses beginning in the 2019-20 school year.


Students in the Class of 2022 & Beyond will have to complete a 3 Course Program of Study

Business & Entrepreneurship Courses



Related Careers: Accountant, Bookkeeper, Actuary, Insurance Underwriters, Loan Officer, Financial Planner, Tax Preparer, Venture Capitalist, Small Business Owner, Entrepreneur, Business Analysts, Office Manager, Supply Chain Manager, Hotel Management, Event Planner, Tour Operator, Food and Beverage Manager, Executive Chef, Sous Chef, Restaurant Owner, Market Research Analysts, Recruiters, Social Media Marketing Manager, Sale Representatives & Retail Managers, Fundraiser, Media Buyer

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| MIDDLE SCHOOL | HIGH SCHOOL | | | |
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| Area of Interest Courses (Grades 6-8) | Program of Study | Introductory Courses | Intermediate Courses | Advanced Courses |
| Area of Interest Gateway (Grade 7): Think Tank Middle School Electives (Grades 7 & 8): Innovation Lab Money Doesn't Grow on Trees Teen Chef | Accounting and Finance | Business Dynamics | Accounting Finance and Investments | Advanced Business Seminar |
| | Entrepreneurship and Business Management | | Management and Leadership Entrepreneurship | |
| | Marketing and Sales | | Marketing | |
| | Hospitality and Restaurant Management | Business Dynamics Culinary Arts 1 | *Hospitality Management Culinary Arts 2 | |
| | Additional Academy Elective Courses: | Baking & Pastry Business Technology Culinary Arts 3 | Sports & Entertainment Marketing *Social Media Marketing Personal Finance: Money Management & Wealth Building | |
| | CAPS Program: |  Business Administration and Management (Can substitute for the Advanced Course in all 4 Programs of Study) | | |

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Engineering & Manufacturing



Related Careers: Aircraft Mechanic, Aeronautic Engineer, Architect, Building Engineer, Civil Engineer, CNC Machinist, Computer Control Programmer/Operator, Design Electrical Engineer, Engineer, Electrician, Entrepreneur, HVAC Controller, Industrial Engineer, Machinists, Manufacturing Mechanical Engineer, Process Engineer, Packaging Engineer, Process Engineer, Robot Technician, Quality Engineer, Structural Engineer, Tool and Die Maker, Welder

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| Area of Interest Courses (Grades 6-8) | Program of Study | Introductory Courses | Intermediate Courses | Advanced Courses |
| Area of Interest Gateway (Grade 7): Teen Engineer Middle School Electives (Grades 7 & 8): GTT: Architecture (PLTW) GTT: Design and Manufacturing (PLTW) GTT: Robotics (PLTW) | Architecture and Construction | | Construction | *Construction Management and Development |
| | Manufacturing and Fabrication Technologies | | Manufacturing and Construction | *Welding and Metal Fabrication |
| | Engineering and Design | Intro to Engineering Design (PLTW**) | Principles of Engineering (PLTW**) | Engineering Design & Development (PLTW**) |
| | Transportation Technologies | Small Gas Engines | Marine, Motorsport, and Outdoor Power Equipment | Super High Mileage Vehicle |
| | Additional Academy Elective Courses: | Computer Integrated Manufacturing (PLTW**) Aerospace Engineering (PLTW**) | Welding 2 – Design & Fabrication Woodworking 3 | |
| | CAPS Program: | Future Programming To Be Determined | | |

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Health Science



Related Careers: Medical Appliance Technician, Medical and Clinical Lab Technologist, Surgical Technologist, Medical Imaging Technologist, Biomedical Engineer, Forensic Science Technician, Dietetic Technician, Dietician and Nutritionist, Community Health Worker, Massage Therapist, Fitness Trainer and Aerobics Instructor, Athletic Trainer, Recreational Therapist, Physical Therapist, Occupational Therapist, Massage Therapist, Exercise Physiologist, Pharmacy Technician, Medical Assistant, Healthcare Social Worker, Physician, Physician Assistant, Licensed and Practical Nurse, Respiratory Therapist, Dentistry, Ophthalmology, Surgical and Medical Technician

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| Area of Interest Courses (Grades 6-8) | Program of Study | Introductory Courses | Intermediate Courses | Advanced Courses |
| Area of Interest Gateway (Grade 7): Snack Attack Middle School Electives (Grades 7 & 8): GTT: Medical Detectives (PLTW) 2 Fit 2 Quit Code Red | Biomedical | Human Body Systems | Principles of Biomedical Science (PLTW**) | Medical Interventions (PLTW**) |
| | Public Health | | Global Health and Disease Prevention | *Community Health |
| | Exercise Science | | Human Movement Sciences | Sports Medicine |
| | Healthcare | | Principles of Biomedical Science (PLTW**) | Clinical Simulation |
| | | | Nursing Assistant | |
| | | | Emergency Medical Responder | |
| Additional Academy Elective Courses: | CIS: Human Physiology, Technology, and Medical Devices Nutrition for the Human Body | | | |
| CAPS Program: |  Healthcare and Medicine (Can substitute for the advanced course in the Public Health, Exercise Science, and Healthcare Programs of Study) | | | |

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Human Services



Related Careers: Early Childhood Educator, K-12 Teacher, Administrator, Educational Paraprofessional, Training and Development Manager/Supervisor, Police and Sheriff's Patrol Officers, Correction Officers and Jailers, Attorney, Court Reporters, Paralegal and Legal Assistants, Government Service, Labor Relations Specialist, Firefighter, Military Service, Non-Governmental Organization, Lobbyist, Social and Human Service Assistant, Mental Health Counselors, Health Educators, Clinical, Counseling, and School Psychologist

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| Area of Interest Courses (Grades 6-8) | Program of Study | Introductory Courses | Intermediate Courses | Advanced Courses | |
| Area of Interest Gateway (Grade 6): Be The Change Middle School Electives (Grades 7 & 8): Law and Order *More Than Social Media | Teaching and Educational Services | Intro to Human Development | Exploring Education | Multicultural Education | |
| | Social and Mental Health Services | Human Relations | Positive Psychology: Building People and Community | Social and Mental Health Services | |
| | Public Service | Human Relations | *Generation Now | Public Service | |
| | Law and Legal Services | Criminal Justice and the Court | A Case for Justice | *Law and Legal Services | |
| | Additional Academy Elective Courses: | Advanced Child Development | | Sociology of the Family | |
| | CAPS Program: | Future Programming To Be Determined | | | |


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Science & Technology



Related Careers: Electrician, Electrical Engineer, Electronics Technician, Electrical Power-Line Installers and Repairers, Power Plant Technician and Operator, Electrical Systems Designer and Drafter, Network and Computer Systems Administrators, Computer Network Architects, Computer Hardware Engineer, Computer Hardware Technician and Repairer, Computer Research Scientist, Software Developer, Computer Systems Analyst, Computer and Information Systems, Computer Programmers, Information Security Analysts, Database Administrators, Natural Sciences Managers, Environmental Engineer, Green Technology and Alternative Energy Designer, Geoscientist & Conservation Scientists, Mining and Geological Engineer

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| Area of Interest Gateway (Grade 6): Programming is Electric | Computer Science | *Computer Hardware, Software, and Code | Computer Science Principles (PLTW**) | Design and Development In Science and Technology Environmental Ethics and Ecology |
| | Information Technology Solutions | | Cyber Security | |
| Middle School Electives (Grades 7 & 8): Invisible World of Science & Technology Apps Creation | Renewable Energy and Electrical Systems | Electricity | *Energy and Power Generation | |
| | Environmental Science | Energy, Food, and The Outdoors | *AP Environmental Science Environmental Sustainability | |
| Additional Academy Elective Courses: | | Mobile OS Development Web Development | Instructional Technology Solutions | |
| CAPS Program: | |  Future Programming To Be Determined | | |

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