# The Academy for Advanced Studies (AAS)
# Career, Technical, and Agricultural Education (CTAE) and Fine Arts
# Pathways and Course Offerings for 2026-2027

| SCHOOL OF BUSINESS & DESIGN | |
|---|---|
| **Cloud Computing**** | **Cybersecurity**** |
| Course 1 – Intro to Software Technology | Course 1 – Intro to Hardware Technology |
| Course 2 – (AP) Computer Science Principles | Course 2 – Introduction to Cybersecurity |
| Course 3 – Cloud Computing | Course 3 – Advanced Cybersecurity |
| **Entrepreneurship** | **Fashion, Merchandising and Retail Management** |
| Course 1 – Intro to Business & Technology | Course 1 – Marketing Principles |
| Course 2 – Legal Environment of Business | Course 2 – Fashion, Merchandising and Retailing |
| Course 3 – Entrepreneurship | Course 3 – Advanced Fashion, Merchandising |
| **Financial Services** | **Game Design**** |
| Course 1 – Intro to Business and Technology | Course 1 – Intro to Software Technology |
| Course 2 – Financial Literacy | Course 2 – (AP) Computer Science Principles |
| Course 3 – Banking, Investing & Insurance | Course 3 – Game Design: Animation & Simulation |
| **Hospitality, Recreation and Tourism** | **Marketing Communications & Promotions** |
| Course 1 – Marketing Principles | Course 1 – Marketing Principles |
| Course 2 – Hospitality, Recreation and Tourism Essentials | Course 2 – Promotion and Digital Marketing |
| Course 3 – Hospitality, Recreation and Tourism Management | Course 3 – Integrated Marketing Communications |
| **SCHOOL OF WELLNESS & COMMUNITY SERVICES** | |
| **Baking and Pastry** | **Culinary Arts**** |
| Course 1 – Intro to Culinary Arts | Course 1 – Intro to Culinary Arts |
| Course 2 – Baking and Pastry I | Course 2 – Culinary Arts I |
| Course 3 – Baking and Pastry II | Course 3 – Culinary Arts II |
| **Early Childhood Care & Education II** | **Emergency Medical Technician (EMT)** |
| *Prerequisites (Courses 1 & 2) taken at home high school | Course 1 – Introduction to Healthcare |
| *Course 1 – Early Childhood Education I | Course 2 – Essentials of Healthcare |
| *Course 2 – Early Childhood Education II | Course 3 – Emergency Medical Technician |
| Course 3 – Early Childhood Education Practicum | |
| **JROTC – Navy (for HHS, LGHS & WHS students only)** | **Pharmacy** [SENIORS ONLY/YEAR LONG]** |
| ***(This program is located at McDonough High School)*** | Course 1 – Introduction to Healthcare |
| Course 1 – JROTC Navy I (1st) - Navy Cadet Field (2nd) | Course 2 – Essentials of Healthcare |
| Course 2 – JROTC Navy II (1st) - Nautical Science (2nd) | Course 3 – Pharmacy Operations & Fund. |
| Course 3 – JROTC Navy III (1st) - Naval Knowledge (2nd) | |
| Course 4 – JROTC Navy IV (1st ) - Effective Comm. (2nd) | |
| **Phlebotomy** [SENIORS ONLY ]** | **Teaching as a Profession** |
| Course 1 – Introduction to Healthcare | Course 1 – Examining the Teaching Profession |
| Course 2 – Essentials of Healthcare | Course 2 – Contemporary Issues in Education |
| Course 3 – Diagnostics Phlebotomy | Course 3 – Teaching as a Profession Practicum |
| **Therapeutic Services/Exercise Physiology**** | **Veterinary Science/Equine Science** |
| Course 1 – Introduction to Healthcare | Course 1 – Basic Agricultural Science |
| Course 2 – Essentials of Healthcare | Course 2 – Animal Science & Biotechnology |
| Course 3 – Fundamentals of Exercise Physiology | Course 3 – Veterinary Science / Equine Science |

***Pathway can lead to Industry-Recognized Credentialing.***

Revised 5/15/2026

| SCHOOL OF ENGINEERING, POWER & AUTOMATION | |
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| **Carpentry, Electrical, Masonry, Plumbing** | **Electronics Engineering** |
| Course 1 – Industry Fund. & Occupational Safety | Course 1 – Foundations of Electronics |
| Course 2 – Introduction to Construction | Course 2 – Advanced AC & DC Circuits |
| Course 3 – Carpentry / Electrical / Masonry / Plumbing | Course 3 – Digital Electronics |
| **Energy & Power: Generation, Transmission & Distribution** | **Engineering, Drafting & Design**** |
| Course 1 – Foundation of Energy Technologies | Course 1 – Intro to Drafting & Design |
| Course 2 – Energy & Power: Generation, Transmission | Course 2 – Survey of Engineering Graphics |
| Course 3 – Energy Systems Applications | Course 3 – 3D Modeling and Analysis |
| **General Automotive Technology**** | **Advanced Automotive Technology** (*must complete General Automotive Tech Courses 1-3 first) |
| Course 1 – Automotive Technologies I | Course 4 – Advanced Automotive Tech IV |
| Course 2 – Automotive Technologies II | Course 5 – Advanced Automotive Tech V |
| Course 3 – Automotive Technologies III | Course 6 – Advanced Automotive Tech VI |
| **Robotics & Automation Engineering** | **Welding**** |
| Course 1 – Introduction to Mechatronics | Course 1 – Industry Fund. & Occupational Safety |
| Course 2 – AC Theory, Elec. Motors & Hydraulics | Course 2 – Introduction to Metals |
| Course 3 – Semiconductors, Mech. Sys & Pump | Course 3 – Welding I |
| | Course 4 – Research/Design/Project Management |
| **SCHOOL OF CREATIVE STUDIES** | |
| **Audio-Video Technology & Film II** | **Dance** |
| Course 1 – Audio-Video Tech & Film I | Course 1 – Dance I |
| Course 2 – Audio-Video Tech & Film II | Course 2 – Dance II |
| Course 3 – Broadcast Video Production App | Course 3 – Dance III |
| | Course 4 – Dance IV |
| | Course 5 – Dance Composition |
| **Graphic Design & Communication** | **Music Technology** |
| Course 1 – Introduction to Graphics & Design | Course 1 – Beginning Music Technology |
| Course 2 – Graphic Design and Production | Course 2 – Intermediate Music Technology |
| Course 3 – Advanced Graphic Design | Course 3 – Advanced Music Technology |
| Course 4 – Advanced Graphic Output Processes | Course 4 – Mastery Music Technology |
| | Non-Pathway Course – Song Writing |
| **Personal Care Services - Cosmetology** | **Technical Theatre** |
| Course 1 – Introduction to Personal Care Services | Course 1 – Technical Theatre I |
| Course 2 – Cosmetology Services II | Course 2 – Technical Theatre II |
| Course 3 – Cosmetology Services III | Course 3 – Technical Theatre III |
| | Course 4 – Technical Theatre IV |
| **Theatre/Acting** | **Visual Arts- Ceramics & Pottery** |
| Course 1 – Theatre Arts/Acting I | Course 1 – Visual Arts/Ceramics/Pottery I |
| Course 2 – Theatre Arts/Acting II | Course 2 – Visual Arts/Ceramics/Pottery II |
| Course 3 – Theatre Arts/Acting III | Course 3 – Visual Arts/Ceramics/Pottery III |
| Course 4 – Theatre Arts/Acting IV | Course 4 – Visual Arts/Ceramics/Pottery IV |
| **Visual Arts- Sculpture** | |
| Course 1 – Visual Arts/Sculpture I | |
| Course 2 – Visual Arts/Sculpture II | |
| Course 3 – Visual Arts/Sculpture III | |
| Course 4 – Visual Arts/Sculpture IV | |
| Course 5 – AP Studio Art: 3D | |

***Pathway can lead to Industry-Recognized Credentialing*

Revised 5/15/2026

| WORK-BASED LEARNING (WBL) |
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| Work-Based Learning provides students the opportunity to receive credit while working in an environment related to their career pathway. WBL at AAS is for 11th and 12th-grade students. To apply for WBL, please visit the AAS webpage. |

| DUAL ENROLLMENT TECHNICAL CERTIFICATE OF CREDIT (TCC)<br>WITH SOUTHERN CRESCENT TECHNICAL COLLEGE AND THE ACADEMY FOR ADVANCED STUDIES | |
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| AB51 **Auto Collision Repair Assistant I** (**12 Hours**)<br>(10th - 12th grade) | BF41 **Barbering Fundamentals** (9 **Hours**)<br>(10th - 12th grade) |
| **Course 1 – ACRP 1000 - Intro to Automotive Collision (4 hrs)** | **Course 1 – BARB 1000 - Intro to Barber/Styling Implem. (3 hrs)** |
| **Course 2 – ACRP 1005 - Auto Component Repair (4 hrs)** | **Course 2 – BARB 1010 - Sterilization, Sanitation, Bact. (3 hrs)** |
| **Course 3 – ACRP 1015 - Fundamentals of Auto Welding (4 hrs)** | **Course 3 – BARB 1022 - Haircutting and Shampooing I (3 hrs)** |
| CJ21 **Criminal Justice Specialist** (**15 Hours**)<br>(10th - 12th grade) | ED91 **Emergency Medical Technician: EMT** (**12 Hours**)<br>(11th - 12th grade) |
| **Course 1 – CRJU 1010 - Criminal Justice Essentials (3 hrs)** | **Course 1 – EMSP 1210 - EMT Theory I (3 hrs)** |
| **Course 2 – CRJU 1030 - Corrections (3 hrs)** | **Course 2 – EMSP 1211 - EMT Lab I (2 hrs)** |
| **Course 3 – CRJU 1040 - Principles of Law Enforcement (3 hrs)** | **Course 3 – EMSP 1220 - EMT Theory II (3 hrs)** |
| **Course 4 – CRJU 1068 - Criminal Law for Criminal Just. (3 hrs)** | **Course 4 – EMSP 1221 – EMT Lab II (3 hrs)** |
| **Course 5 – CRJU 2020 - Constitutional Law (3 hrs)** | **Course 5 – EMSP 1230 – EMT Clinical (1 hr)** |
| IE41 **Industrial Electrician TCC** (**10 Hours**)<br>(10th - 12th grade) | IF11 **Industrial Fluid Power Technician TCC** (**11 Hours**)<br>(10th - 12th grade) |
| **Course 1 – IDSY 1101 - DC Circuit Analysis (3 hrs)** | **Course 1 – IDSY 1170 - Industrial Mechanics (4 hrs)** |
| **Course 2 – IDSY 1105 - AC Circuit Analysis (3 hrs)** | **Course 2 – IDSY 1190 - Fluid Power Systems (4 hrs)** |
| **Course 3 – IDSY 1130 - Industrial Wiring (4 hrs)** | **Course 3 – IDSY 1195 - Pumps and Piping Systems (3 hrs)** |
| LA51 **Logistics and Supply Chain Technician** (**9 Hours**)<br>(10th - 12th grade) | MT21 **Mechatronics Technician** (**12 Hours**)<br>(10th - 12th grade) |
| **Course 1 – SCMA 1000 - Intro to Supply Chain Mngmt. (3 hrs)** | **Course 1 – IDSY 1005 - Introduction to Mechatronics (4 hrs)** |
| **Course 2 – SCMA 1003 - Intro to Transport. and Logistics (3 hrs)** | **Course 2 – IDSY 1170 - Industrial Mechanics (4 hrs)** |
| **Course 3 – LOGI 1000 - Logistics Fundamentals (3 hrs)** | **Course 3 – IDSY 1190 - Fluid Power Systems (4 hrs)** |
| GM21 **NCCER Gas Metal Arc Welding** (**11 Hours**)<br>(10th - 12th grade) | SM21 **NCCER Shielded Metal Arc Welding** (**11 Hours**)<br>(10th - 12th grade) |
| **Course 1 – COFC 1080 - Construction Trades Core (4 hrs)** | **Course 1 – COFC 1080 - Construction Trades Core (4 hrs)** |
| **Course 2 – WELD 1007 - Welding Technology Fund. (3 hrs)** | **Course 2 – WELD 1007 - Welding Technology Fund. (3 hrs)** |
| **Course 3 – WELD 1037 - GMAW and FCAW Welding (4 hrs)** | **Course 3 – WELD 1015 - Shielded Metal Arc Welding I (4 hrs)** |
| CN21 **Nurse Aide** (**13 Hours**)<br>(11th - 12th grade) | PC51 **Prep Cook** (**12 Hours**)<br>(10th - 12th grade) |
| **Course 1 – ALHS 1040 - Intro to Health Care (3 hrs)** | **Course 1 – CUUL 1110 - Culinary Safety and Sanitation (2 hrs)** |
| **Course 2 – ALHS 1090 - Medical Terminology (2 hrs)** | **Course 2 – CUUL 1122 - Found. of Cooking Principles (3 hrs)** |
| **Course 3 – ALHS 1060 - Diet and Nutrition for Allied (2 hrs)** | **Course 3 – CUUL 1000 - Fundamentals of Culinary Arts (4 hrs)** |
| **Course 4 – NAST 1100 – Patient Care Fundamentals (6 hrs)** | **Course 4 – CUUL 1124 - Found. of Cooking Techniques (3 hrs)** |
| ST11 **Salon and Spa Support Specialist** (**13 Hours**)<br>(10th - 12th grade) | |
| **Course 1 – COSM 1000 - Intro to Cosmetology Theory (4 hrs)** | |
| **Course 2 – COSM 1020 - Hair Care and Treatment (3 hrs)** | |
| **Course 3 – COSM 1040 - Styling (3 hrs)** | |
| **Course 4 – COSM 1120 - Salon Management (3 hrs)** | |

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