

# 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	
<b>Cloud Computing**</b>	<b>Cybersecurity**</b>
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
<b>Entrepreneurship</b>	<b>Fashion, Merchandising and Retail Management</b>
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
<b>Financial Services</b>	<b>Game Design**</b>
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
<b>Hospitality, Recreation and Tourism</b>	<b>Marketing Communications &amp; Promotions</b>
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	
<b>Baking and Pastry</b>	<b>Culinary Arts**</b>
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
<b>Early Childhood Care &amp; Education II</b>	<b>Emergency Medical Technician (EMT)</b>
*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	
<b>JROTC – Navy (for HHS, LGHS &amp; WHS students only)</b>	<b>Pharmacy** [SENIORS ONLY/YEAR LONG]</b>
*** <b>(This program is located at McDonough High School)***</b>	Course 1 – Introduction to Healthcare
Course 1 – JROTC Navy I (1 <sup>st</sup> ) - Navy Cadet Field (2 <sup>nd</sup> )	Course 2 – Essentials of Healthcare
Course 2 – JROTC Navy II (1 <sup>st</sup> ) - Nautical Science (2 <sup>nd</sup> )	Course 3 – Pharmacy Operations & Fund.
Course 3 – JROTC Navy III (1 <sup>st</sup> ) - Naval Knowledge (2 <sup>nd</sup> )	
Course 4 – JROTC Navy IV (1 <sup>st</sup> ) - Effective Comm. (2 <sup>nd</sup> )	
<b>Phlebotomy** [SENIORS ONLY ]</b>	<b>Teaching as a Profession</b>
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
<b>Therapeutic Services/Exercise Physiology**</b>	<b>Veterinary Science/Equine Science</b>
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.**

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**SCHOOL OF ENGINEERING, POWER & AUTOMATION**

<b>Carpentry, Electrical, Masonry, Plumbing</b>	<b>Electronics Engineering</b>
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
<b>Energy &amp; Power: Generation, Transmission &amp; Distribution</b>	<b>Engineering, Drafting &amp; Design**</b>
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
<b>General Automotive Technology**</b>	<b>Advanced Automotive Technology (*must complete General Automotive Tech Courses 1-3 first)</b>
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
<b>Robotics &amp; Automation Engineering</b>	<b>Welding**</b>
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**

<b>Audio-Video Technology &amp; Film II</b>	<b>Dance</b>
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
<b>Graphic Design &amp; Communication</b>	<b>Music Technology</b>
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
<b>Personal Care Services - Cosmetology</b>	<b>Technical Theatre</b>
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
<b>Theatre/Acting</b>	<b>Visual Arts- Ceramics &amp; Pottery</b>
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
<b>Visual Arts- Sculpture</b>	
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	

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**WORK-BASED LEARNING (WBL)**

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 11<sup>th</sup> and 12<sup>th</sup>-grade students. To apply for WBL, please visit the AAS webpage.

**DUAL ENROLLMENT TECHNICAL CERTIFICATE OF CREDIT (TCC)**

**WITH SOUTHERN CRESCENT TECHNICAL COLLEGE AND THE ACADEMY FOR ADVANCED STUDIES**

<b>AB51 Auto Collision Repair Assistant I (12 Hours)</b> (10 <sup>th</sup> - 12 <sup>th</sup> grade)	<b>BA71 Barbering Assistant (18 Hours)</b> (10 <sup>th</sup> - 12 <sup>th</sup> grade)
Course 1 – <b>ACRP 1000</b> - Intro to Automotive Collision (4 hrs)	Course 1 – <b>BARB 1000</b> - Intro to Barber/Styling Implem. (3 hrs)
Course 2 – <b>ACRP 1005</b> - Auto Component Repair (4 hrs)	Course 2 – <b>BARB 1010</b> - Sterilization, Sanitation, Bact. (3 hrs)
Course 3 – <b>ACRP 1015</b> - Fundamentals of Auto Welding (4 hrs)	Course 3 – <b>BARB 1022</b> - Haircutting and Shampooing I (3 hrs)
	Course 4 – <b>BARB 1024</b> - Haircutting and Shampooing II (3 hrs)
	Course 5 – <b>BARB 1030</b> - Haircutting/Basic Styling (3 hrs)
	Course 6 – <b>BARB 1110</b> - Shop Management/Ownership (3 hrs)
<b>CJ21 Criminal Justice Specialist (15 Hours)</b> (10 <sup>th</sup> - 12 <sup>th</sup> grade)	<b>ED91 Emergency Medical Technician: EMT (12 Hours)</b> (11 <sup>th</sup> - 12 <sup>th</sup> grade)
Course 1 – <b>CRJU 1010</b> - Criminal Justice Essentials (3 hrs)	Course 1 – <b>EMSP 1210</b> - EMT Theory I (3 hrs)
Course 2 – <b>CRJU 1030</b> - Corrections (3 hrs)	Course 2 – <b>EMSP 1211</b> - EMT Lab I (2 hrs)
Course 3 – <b>CRJU 1040</b> - Principles of Law Enforcement (3 hrs)	Course 3 – <b>EMSP 1220</b> - EMT Theory II (3 hrs)
Course 4 – <b>CRJU 1068</b> - Criminal Law for Criminal Just. (3 hrs)	Course 4 – <b>EMSP 1221</b> – EMT Lab II (3 hrs)
Course 5 – <b>CRJU 2020</b> - Constitutional Law (3 hrs)	Course 5 – <b>EMSP 1230</b> – EMT Clinical (1 hr)
<b>IE41 Industrial Electrician TCC (10 Hours)</b> (10 <sup>th</sup> - 12 <sup>th</sup> grade)	<b>IF11 Industrial Fluid Power Technician TCC (11 Hours)</b> (10 <sup>th</sup> - 12 <sup>th</sup> grade)
Course 1 – <b>IDSY 1101</b> - DC Circuit Analysis (3 hrs)	Course 1 – <b>IDSY 1170</b> - Industrial Mechanics (4 hrs)
Course 2 – <b>IDSY 1105</b> - AC Circuit Analysis (3 hrs)	Course 2 – <b>IDSY 1190</b> - Fluid Power Systems (4 hrs)
Course 3 – <b>IDSY 1130</b> - Industrial Wiring (4 hrs)	Course 3 – <b>IDSY 1195</b> - Pumps and Piping Systems (3 hrs)
<b>LA51 Logistics and Supply Chain Technician (9 Hours)</b> (10 <sup>th</sup> - 12 <sup>th</sup> grade)	<b>MT21 Mechatronics Technician (12 Hours)</b> (10 <sup>th</sup> - 12 <sup>th</sup> grade)
Course 1 – <b>SCMA 1000</b> - Intro to Supply Chain Mngmt. (3 hrs)	Course 1 – <b>IDSY 1005</b> - Introduction to Mechatronics (4 hrs)
Course 2 – <b>SCMA 1003</b> - Intro to Transport. and Logistics (3 hrs)	Course 2 – <b>IDSY 1170</b> - Industrial Mechanics (4 hrs)
Course 3 – <b>LOGI 1000</b> - Logistics Fundamentals (3 hrs)	Course 3 – <b>IDSY 1190</b> - Fluid Power Systems (4 hrs)
<b>GM21 NCCER Gas Metal Arc Welding (11 Hours)</b> (10 <sup>th</sup> - 12 <sup>th</sup> grade)	<b>SM21 NCCER Shielded Metal Arc Welding (11 Hours)</b> (10 <sup>th</sup> - 12 <sup>th</sup> grade)
Course 1 – <b>COFC 1080</b> - Construction Trades Core (4 hrs)	Course 1 – <b>COFC 1080</b> - Construction Trades Core (4 hrs)
Course 2 – <b>WELD 1007</b> - Welding Technology Fund. (3 hrs)	Course 2 – <b>WELD 1007</b> - Welding Technology Fund. (3 hrs)
Course 3 – <b>WELD 1037</b> - GMAW and FCAW Welding (4 hrs)	Course 3 – <b>WELD 1015</b> - Shielded Metal Arc Welding I (4 hrs)
<b>CN21 Nurse Aide (13 Hours)</b> (11 <sup>th</sup> - 12 <sup>th</sup> grade)	<b>PC51 Prep Cook (12 Hours)</b> (10 <sup>th</sup> - 12 <sup>th</sup> grade)
Course 1 – <b>ALHS 1040</b> - Intro to Health Care (3 hrs)	Course 1 – <b>CUUL 1110</b> - Culinary Safety and Sanitation (2 hrs)
Course 2 – <b>ALHS 1090</b> - Medical Terminology (2 hrs)	Course 2 – <b>CUUL 1122</b> - Found. of Cooking Principles (3 hrs)
Course 3 – <b>ALHS 1060</b> - Diet and Nutrition for Allied (2 hrs)	Course 3 – <b>CUUL 1000</b> - Fundamentals of Culinary Arts (4 hrs)
Course 4 – <b>NAST 1100</b> – Patient Care Fundamentals (6 hrs)	Course 4 – <b>CUUL 1124</b> - Found. of Cooking Techniques (3 hrs)
<b>ST11 Salon and Spa Support Specialist (13 Hours)</b> (10 <sup>th</sup> - 12 <sup>th</sup> grade)	
Course 1 – <b>COSM 1000</b> - Intro to Cosmetology Theory (4 hrs)	
Course 2 – <b>COSM 1020</b> - Hair Care and Treatment (3 hrs)	
Course 3 – <b>COSM 1040</b> - Styling (3 hrs)	
Course 4 – <b>COSM 1120</b> - Salon Management (3 hrs)	