

The Academy for Advanced Studies (AAS)

Career, Technical, and Agricultural Education (CTAE) and Fine Arts

Pathways and Course Offerings for 2024-2025

SCHOOL OF BUSINESS & DESIGN	
Cloud Computing	Cybersecurity
Course 1 – Intro to Software Technology	Course 1 – Intro to Hardware Technology
Course 2 – 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 – Computer Science Principles
Course 3 – Banking, Investing & Insurance	Course 3 – Game Design: Animation & Simulation
Marketing Communications & Promotions	
Course 1 – Marketing Principles	
Course 2 – Promotion and Digital Marketing	
Course 3 – Integrated Marketing Communications	
SCHOOL OF WELLNESS & COMMUNITY SERVICES	
Culinary Arts	Early Childhood Care & Education II
Course 1 – Intro to Culinary Arts	*Prerequisites (Courses 1 & 2) taken at home high school
Course 2 – Culinary Arts I	*Course 1 – Early Childhood Education I
Course 3 – Culinary Arts II	*Course 2 – Early Childhood Education II
	Course 3 – Early Childhood Education Practicum
Emergency Medical Technician (EMT)	JROTC – Navy (*HHS, LGHS & WHS students only)
Course 1 – Introduction to Healthcare	** (This program is located at McDonough High School) **
Course 2 – Essentials of Healthcare	Course 1 – JROTC Navy I (1 st) - Navy Cadet Field (2 nd)
Course 3 – Emergency Medical Technician	Course 2 – JROTC Navy II (1 st) - Nautical Science (2 nd)
	Course 3 – JROTC Navy III (1 st) - Naval Knowledge (2 nd)
	Course 4 – JROTC Navy IV (1 st) - Effective Comm. (2 nd)
Pharmacy [SENIORS ONLY/YEAR LONG]	Phlebotomy [SENIORS ONLY]
Course 1 – Introduction to Healthcare	Course 1 – Introduction to Healthcare
Course 2 – Essentials of Healthcare	Course 2 – Essentials of Healthcare
Course 3 – Pharmacy Operations & Fund.	Course 3 – Diagnostics Phlebotomy
Sports Medicine	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 – Sports Medicine	Course 3 – Teaching as a Profession Practicum
Veterinary Science	
Course 1 – Basic Agricultural Science	
Course 2 – Animal Science & Biotechnology	
Course 3 – Veterinary Science	
Course 4 – Equine Science	

SCHOOL OF ENGINEERING, POWER & AUTOMATION

Advanced Automotive Tech (Diesel)	Carpentry, Electrical, Masonry, Plumbing
Course 1 – Advanced Automotive Tech IV	Course 1 – Industry Fund. & Occupational Safety
Course 2 – Advanced Automotive Tech V	Course 2 – Introduction to Construction
Course 3 – Advanced Automotive Tech VI	Course 3 – Carpentry
	Course 4 – Electric / Masonry / Plumbing
Electronics	Energy & Power: Generation, Transmission & Distribution
Course 1 – Foundations of Electronics	Course 1 – Foundation of Energy Technologies
Course 2 – Advanced AC & DC Circuits	Course 2 – Energy & Power: Generation, Transmission
Course 3 – Digital Electronics	Course 3 – Energy Systems Applications
Engineering, Drafting & Design	General Automotive Technology
Course 1 – Intro to Drafting & Design	Course 1 – Automotive Technologies I
Course 2 – Survey of Engineering Graphics	Course 2 – Automotive Technologies II
Course 3 – 3D Modeling and Analysis	Course 3 – Automotive Technologies III
Mechatronics	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	

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 11th and 12th-grade students. To apply for WBL, please visit the AAS Program Info page.

**DUAL ENROLLMENT TECHNICAL CERTIFICATE OF CREDIT (TCC)
WITH SOUTHERN CRESCENT TECHNICAL COLLEGE**

Auto Collision Repair Assistant I - (10th - 12th grade)	Criminal Justice Fundamentals – (10th - 12th grade)
Course 1 – ACRP 1000 - Intro to Automotive Collision (4 hrs)	Course 1 – COMP 1000 - Intro to Computer Literacy (3 hrs)
Course 2 – ACRP 1005 - Auto Component Repair (4 hrs)	Course 2 – CRJU 1010 - Intro to Criminal Justice (3 hrs)
Course 3 – ACRP 1015 - Fundamental of Auto Welding (4 hrs)	Course 3 – CRJU 1030 - Applications of Corrections (3 hrs)
	Course 4 – CRJU 1040 - Principles of Law Enforcement (3 hrs)
Emergency Medical Technician (EMT) - (11th - 12th grade)	Gas Tungsten and Metal Arc Welding – (10th - 12th grade)
Course 1 – EMSP 1110 - Intro to the EMT Profession (3 hrs)	Course 1 – COFC 1080 - Construction Trades Core (4 hrs)
Course 2 – EMSP 1120 - EMT Assessment/Airway (3 hrs)	Course 2 – WELD 1007 - Welding Technology Fund. (3 hrs)
Course 3 – EMSP 1150 - Shock/Trauma (3 hrs)	Course 3 – WELD 1037 - GMAW and FCAW Welding (4 hrs)
Course 4 – EMSP 1130 - Medical Emergencies (3 hrs)	Course 4 – WELD 1045 - Gas Tungsten Arc Welding I (3 hrs)
Course 5 – EMSP 1140 - Special Patient (3 hrs)	
Course 6 – EMSP 1160 - Clinical and Practical (1 hr)	
Logistics and Supply Chain Technician – (10th - 12th grade)	Nurse Aide - (11th - 12th grade)
Course 1 – SCMA 1000 - Logistics Fundamentals (3 hrs)	Course 1 – ALHS 1040 - Intro to Health Care (3 hrs)
Course 2 – SCMA 1003 - Intro to Transp. and Logistics (3 hrs)	Course 2 – ALHS 1090 - Medical Terminology (2 hrs)
Course 3 – LOGI 1000 - Business Logistics (3 hrs)	Course 3 – ALHS 1060 - Diet and Nutrition for Allied (2 hrs)
	Course 4 – NAST 1100 - Nurse Aide Fundamentals (6 hrs)
Prep Cook - (10th - 12th grade)	Salon and Spa Support Specialist - (10th - 12th grade)
Course 1 – CUUL 1000 - Fundamentals of Culinary Arts (4 hrs)	Course 1 – COSM 1000 - Intro to Cosm Theory (4 hrs)
Course 2 – CUUL 1110 - Culinary Safety and Sanitation (2 hrs)	Course 2 – COSM 1020 - Hair Care (3 hrs)
Course 3 – CUUL 1122 - Found. of Cooking Principles (3 hrs)	Course 3 – COSM 1120 - Salon Management (3 hrs)
Course 4 – CUUL 1124 - Found. of Cooking Techniques (3 hrs)	Course 4 – PSYC 1010 - Basic Psychology (3 hrs)