ASSOCIATE IN APPLIED SCIENCE (A.A.S.) CURRICULA

The programs listed below are comprised of Associate in Applied Science degrees (A.A.S), diplomas, and certificates. The intent of these degrees and credentials is employment upon completion. These programs were not designed to transfer into a four-year degree, although transfer pathways may be available depending on the four-year institution chosen by a transfer student. Some universities offer a two-year program that builds on the AAS degree so the student can earn a Bachelor's degree in two years, while others require additional work to meet Bachelor's program requirements, thereby extending the time to degree completion.

The AAS degree leads to employment within a particular industry and requires a combination of general education/work effectiveness and technical coursework. The Diploma is a concentration of technical course work with only 6 required hours of general education credit. The short-term focus of the diploma is technical skills and knowledge to immediately enter the workplace.

A certificate can range from 3-50 credit hours, but most certificates require between 6 and 30 credit hours. Certificates are focused on very defined technical skills that can lead to employment in specific industries without the need for additional education. Many certificates cover the technical skills necessary to pursue a specific licensure or nationally recognized certification.

In addition, many AAS, diploma, and certificate programs contain tracks. Tracks are a concentration of a particular technical skill or focus area within the overall program. As an example, under the current KCTCS Computer & Information Technologies (CIT) AAS degree, there are 11 tracks to choose from. Those tracks range from Video Game Design or Cloud Computing Technologies to Network Administration. The choice of a track allows the student to align their area of interest more closely to a particular focus within the program of study. Students should note they must select at least one track for completion with the general education and technical core when multiple tracks are offered. All curriculum track requirements are outlined in the academic curriculum frameworks for each program.

- Additive Technology- AAS (https://catalog.kctcs.edu/programs-of-study/aas/additive-technology/additive-technology-aas/)
- Administrative Office Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/administrative-office-technology/administrative-office-technology-aas/)
- Agriculture - AAS (https://catalog.kctcs.edu/programs-of-study/aas/agriculture/agriculture-aas/)
- Air Conditioning Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/air-conditioning-technology/air-conditioning-technology-aas/)
- Applied Process Technologies - AAS (https://catalog.kctcs.edu/programs-of-study/aas/applied-process-technologies/applied-process-technologies-aas/)
- Apprenticeship Studies - AAS (https://catalog.kctcs.edu/programs-of-study/aas/apprenticeship-studies/apprenticeship-studies-aas/)
- Architectural Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/architectural-technology/architectural-technology-aas/)
- Automation and Industrial Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/automation-and-Industrial-technology/automation-and-industrial-technology-aas/)
- Automation, Industrial, and Robotics Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/automation-industrial-and-robotics-technology/automation-industrial-and-robotics-technology-aas/)
- Automotive Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/automotive-technology-aas/)
- Aviation Maintenance Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/aviation-maintenance-technology/aviation-maintenance-technology-aas/)
- Biomedical Technology Systems - AAS (https://catalog.kctcs.edu/programs-of-study/aas/biomedical-technology-systems/biomedical-technology-systems-aas/)
- Biotechnology Laboratory Technician - AAS (https://catalog.kctcs.edu/programs-of-study/aas/biotechnology-laboratory-technician/biotechnology-laboratory-technician-aas/)
- Broadband Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/broadband-technology/broadband-technology-aas/)
- Business Administration - AAS (https://catalog.kctcs.edu/programs-of-study/aas/business-administration/business-administration-aas/)
- Civil Engineering Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/civil-engineering-technology/civil-engineering-technology-aas/)
- Computer Aided Drafting and Design - AAS (https://catalog.kctcs.edu/programs-of-study/aas/computer-aided-drafting-design/computer-aided-drafting-design-aas/)
- Computer and Information Technologies - AAS (https://catalog.kctcs.edu/programs-of-study/aas/computer-information-technologies/computer-information-technologies-aas/)
- Computer Engineering Technology- AAS (https://catalog.kctcs.edu/programs-of-study/aas/computer-engineering-technology/computer-engineering-technology-aas/)
- Computerized Manufacturing & Machining - AAS (https://catalog.kctcs.edu/programs-of-study/aas/computerized-manufacturing-machining/computerized-manufacturing--machining-aas/)
- Construction Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/construction-technology-aas/)
- Criminal Justice - AAS (https://catalog.kctcs.edu/programs-of-study/aas/criminal-justice/criminal-justice-aas/)
- Culinary Arts - AAS (https://catalog.kctcs.edu/programs-of-study/aas/culinary-arts/culinary-arts-aas/)
- Cybersecurity - AAS (https://catalog.kctcs.edu/programs-of-study/aas/cybersecurity/cybersecurity-aas/)
- Dental Hygiene - AAS (https://catalog.kctcs.edu/programs-of-study/aas/dental-assisting-and-dental-hygiene/dental-hygiene-aas/)
- Dental Hygiene - AAS (https://catalog.kctcs.edu/programs-of-study/aas/dental-hygiene/dental-hygiene-aas/)
- Diagnostic Medical Sonography - AAS (https://catalog.kctcs.edu/programs-of-study/aas/diagnostic-medical-sonography/diagnostic-medical-sonography-aas/)
- Diesel Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/diesel-technology/diesel-technology-aas/)
- Education - AAS (https://catalog.kctcs.edu/programs-of-study/aas/education/education-aas/)

- Electrical Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/electrical-technology/electrical-technology-aas/)
- Emergency Medical Services - Paramedic - AAS (https://catalog.kctcs.edu/programs-of-study/aas/emergency-medical-services-paramedic/emergency-medical-services-paramedic-aas/)
- Energy Technologies - AAS (https://catalog.kctcs.edu/programs-of-study/aas/energy-technologies/energy-technologies-aas/)
- Engineering and Electronics Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/engineering-electronics-technology/engineering-electronics-technology-aas/)
- Environmental Science Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/environmental-science-technology/environmental-science-technology-aas/)
- Equine Studies - AAS (https://catalog.kctcs.edu/programs-of-study/aas/equine-studies/equine-studies-aas/)
- Fermentation Science - AAS (https://catalog.kctcs.edu/programs-of-study/aas/fermentation-science/fermentation-science-aas/)
- Fire Science Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/fire-science-technology/fire-science-technology-aas/)
- Fixed Wing Flight Training - AAS (https://catalog.kctcs.edu/programs-of-study/aas/fixed-wing-flight-training/fixed-wing-flight-training-aas/)
- General Occupational/Technical Studies AAS (https://catalog.kctcs.edu/programs-of-study/aas/general-occupational-technical-studies/general-occupational-technical-studies-aas/)
- Graphic Design and Library Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/graphic-design-library-technology/graphic-design-library-technology-aas/)
- Health Information Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/health-information-technology/health-information-technology-aas/)
- Health Science Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/health-science-technology/health-science-technology-aas/)
- Healthcare Facilities Leadership - AAS (https://catalog.kctcs.edu/programs-of-study/aas/healthcare-facilities-leadership/healthcare-facilities-leadership-aas/)
- Helicopter Flight Training - AAS (https://catalog.kctcs.edu/programs-of-study/aas/helicopter-flight-training/helicopter-flight-training-aas/)
- Human and Social Services - AAS (https://catalog.kctcs.edu/programs-of-study/aas/human-and-social-services/human-and-social-services-aas/)
- Industrial Maintenance Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/industrial-maintenance-technology/industrial-maintenance-technology-aas/)
- Integrated Engineering Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/integrated-engineering-technology/integrated-engineering-technology-aas/)
- Interdisciplinary Early Childhood Education - AAS (https://catalog.kctcs.edu/programs-of-study/aas/interdisciplinary-early-childhood-education/interdisciplinary-early-childhood-education-aas/)
- Logistics and Operations Management - AAS (https://catalog.kctcs.edu/programs-of-study/aas/logistics-operations-management/logistics-operations-management-aas/)
- Manufacturing Engineering Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/manufacturing-engineering-technology/manufacturing-engineering-technology-aas/)
- Massage Therapy Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/massage-therapy-technology/massage-therapy-technology-aas/)
- Medical Assisting - AAS (https://catalog.kctcs.edu/programs-of-study/aas/medical-assisting/medical-assisting-aas/)
- Medical Information Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/medical-information-technology/medical-information-technology-aas/)
- Medical Laboratory Technician - AAS (https://catalog.kctcs.edu/programs-of-study/aas/medical-laboratory-technician/medical-laboratory-technician-aas/)
- Nuclear Medicine Imaging - AAS (https://catalog.kctcs.edu/programs-of-study/aas/nuclear-medicine-imaging/nuclear-medicine-imaging-aas/)
- Nursing - AAS (https://catalog.kctcs.edu/programs-of-study/aas/nursing/nursing-aas/)
- Nursing - Integrated Nursing - AAS (https://catalog.kctcs.edu/programs-of-study/aas/nursing-integrated-nursing/nursing-integrated-nursing-aas/)
- Nursing-Academic/Career Mobility Program - AAS (https://catalog.kctcs.edu/programs-of-study/aas/nursing-academic-career-mobility-program/academiccareer-mobility-program-nursing-aas/)
- Occupational Therapy Assistant - AAS (https://catalog.kctcs.edu/programs-of-study/aas/occupational-therapy-assistant/occupational-therapy-assistant-aas/)
- Orthotics and Prosthetics Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/orthotics-and-prosthetics-technology/orthotics-and-prosthetics-aas/)
- Paralegal Studies - AAS (https://catalog.kctcs.edu/programs-of-study/aas/paralegal-studies/paralegal-studies-aas/)
- Physical Therapist Assistant - AAS (https://catalog.kctcs.edu/programs-of-study/aas/physical-therapist-assistant/physical-therapist-assistant-aas/)
- Plumbing Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/plumbing-technology/plumbing-technology-aas/)
- Professional Studio Artist-Bluegrass & Traditional Music - AAS (https://catalog.kctcs.edu/programs-of-study/aas/professional-studio-artist/professional-studio-artist-bluegrass-and-traditional-music/)
- Radiography - AAS (https://catalog.kctcs.edu/programs-of-study/aas/radiography/radiography-aas/)
- Respiratory Therapist - AAS (https://catalog.kctcs.edu/programs-of-study/aas/respiratory-care/respiratory-therapist-aas/)
- Supply Chain Management - AAS (https://catalog.kctcs.edu/programs-of-study/aas/supply-chain-management/supply-chain-management-aas/)
- Surgical First Assisting - AAS (https://catalog.kctcs.edu/programs-of-study/aas/surgical-first-assisting/surgical-first-assisting-aas/)
- Surgical Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/surgical-technology/surgical-technology-aas/)
- Surveying and Mapping Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/surveying-mapping-technology/surveying-and-mapping-technology-aas/)
- Veterinary Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/veterinary-technology/veterinary-technology-aas/)
- Visual Communication: Communication Arts Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/visual-

communication-communication-arts-technology/communication-arts-technology-aas/)

- Visual Communication: Graphic Design & Media Production - AAS (https://catalog.kctcs.edu/programs-of-study/aas/visual-communication-graphic-design-media-production/visual-communciation-graphic-design-and-media-production-aas/)
- Visual Communication: Multimedia - AAS (https://catalog.kctcs.edu/programs-of-study/aas/visual-communication-multimedia/multimedia-aas/)
- Water Resource Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/water-resource-technology/water-resource-technology-aas/)
- Welding Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/welding-technology/welding-technology-aas/)