

**‘MARITIME WORKS’**  
**Maritime Programs Showcase**  
American Association of Community Colleges  
Workforce Development Institute

by

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# About Anne Arundel Community College (AACC)

The main campus is located in Arnold, MD, just a few miles outside of Historic Annapolis and the U.S. Naval Academy. (See next slide.)

There are several off-campus sites, including:

- ***Arundel Mills*** – a four-story, 77,000 square foot facility. Designated by the state as a Regional Higher Education Center. Houses the AACC University Consortium that allows students to attain a four-year degree without leaving the county. (Photo)
- ***Glen Burnie Town Center*** – a five-story building, which is the future home of the Intermodal Transportation Center and Logistics Learning Lab. (See later slide.)
- Total credit and noncredit student enrollment is approx. 47,000.



## Main Campus - East and West Sites



## **AACC's Vision**

Anne Arundel Community College is a premier learning community that transforms lives to create an engaged and inclusive society.

## **AACC's Mission**

With learning as its central mission, Anne Arundel Community College responds to the needs of our diverse community by offering high quality, affordable, accessible and innovative lifelong learning opportunities.

## Transportation, Logistics & Cargo Security (TLCS) Program

AACC is located minutes from the U.S. Naval Academy and in close proximity to Baltimore Washington Thurgood Marshall International Airport, the Port of Baltimore, the Maritime Institute of Technology and Graduate Studies (MITAGS), Fort George G. Meade, the National Security Agency, U.S. Cyber Command, and many other government agencies and private industries.

This location makes AACC ideally situated to provide programming that gives students the broad knowledge, skills, and training required *to work in jobs related to cargo handling, warehouse and distribution, supply chain logistics, airport and seaport operations, related technologies, and security operations.*

We strive to close the skills gap that exists at ports, marinas, and airports in the Central Maryland region and to identify the next generation of such workers.



[www.aacc.edu/businesslaw](http://www.aacc.edu/businesslaw) | 410-777-1324



# TLCS Curriculum

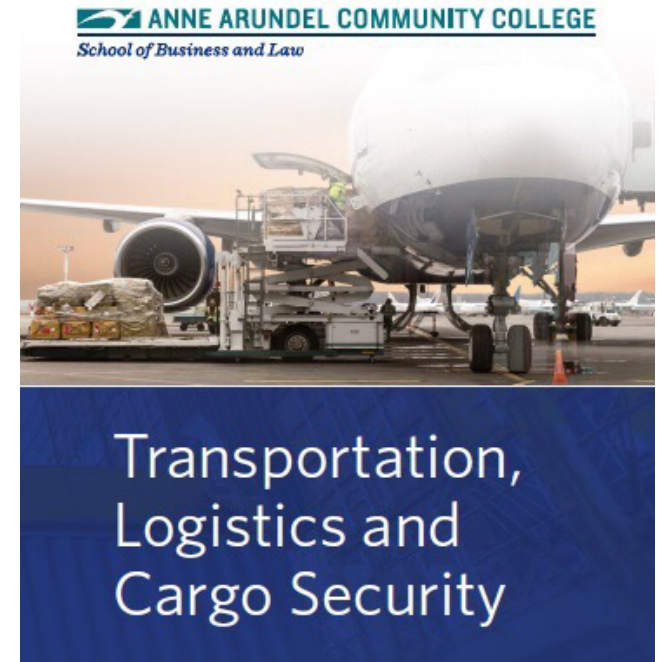
## Credentials

- Transportation, Logistics and Cargo Security  
18-credit Certificate
- Supply Chain Management  
18-credit Certificate that stacks into the AAS in  
Business Management degree
- APICS Certification  
AACC curriculum maps into the APICS CLTD exam

## Courses

- Introduction to Transportation and Logistics
- Airport and Seaport Operations – *separating these into tracks*
- Supply Chain Management
- Domestic and International Freight Operations
- Transportation and Border Security
- Internship
- Procurement and Materials Management
- Logistics Technologies
- Safety & Risk Management in TLCS

*Courses are taught face-to-face, online, hybrid, and can be customized for workforce contract clients.*



APICS

## TLCS Program Target Areas

- ***Dual enrollment*** – high school dual enrolled students
- ***Job-ready training*** – those needing a job-ready credential, including recent high school graduates and adults
- ***Incumbent worker training*** – workforce contracts with federal agencies and industry that need employee training
- ***Skilled Trades training*** – training in plumbing, welding, electric, HVAC, forklift and eventually specific marine skilled trades, including composite.
- ***Drone/Robotic training*** – training in marine drone technology
- **Apprenticeships**



## **High School Dual Enrollment – *Signature Program at North County High School***

AACC teaches its Transportation, Logistics, and Cargo Security program onsite at North County High School (NCHS), which is in northern part of the county closest to Baltimore and the port, airport, and industry. Additional high schools to be added.

AACC and NCHS create college and career pathways through partnerships with other community and business partners at Baltimore Washington International Airport, the Port of Baltimore, the Maryland Department of Transportation, and numerous warehousing and distribution companies in the region.

***Students graduate with a college Certificate at the same time they receive their High School Diploma, and prior to HS graduation they can sit for the APICS Certified Logistics, Transportation and Distribution exam.***



North County High School





# GUIDELINE for Course Selection

**COLLEGE:** Anne Arundel Community College  
**HIGH SCHOOL(S):** North County High School

**AACPS CLUSTER:** Transportation Technologies  
**AACPS PATHWAY:** Transportation, Logistics and Cargo Security

**AACC PROGRAM:** Business Management, Supply Chain Management Option, A.A.S. Degree

		GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	REQUIRED COURSES/RECOMMENDED ELECTIVE COURSES/OTHER ELECTIVE COURSES/CAREER & TECHNICAL EDUCATION COURSES			
<b>HIGH SCHOOL</b>	9	English 9 (1)	Algebra I or Geometry (1)	Matter & Energy or Biology (1)	US History (1)	Fitness for Life (.5) Fine Arts (.5)	Basic Technology Credit (1)	World Language I (1)	IT3 Explorations 1 (.5)	
	10	English 10 (1)	Geometry or Algebra II (1)	Biology or Chemistry (1)	US Government (1)	Health (.5) Fine Arts (.5)	World Language II (1)	IT3 Explorations 2 (.5)		
	11	English 11 or AP English Language (1)	Algebra II or Pre-Calculus (1)	Chemistry or Earth, Space Science or Physics (1)	World History (1)	Physical Education (.5)	BPA 235 Introduction to Transportation & Logistics	BPA 237 Supply Chain Management		
	12	English 12 or AP English Literature (1)	Math Elective or Pre-Calculus or AP Calculus (1)			BPA 236 Intro. to Airport & Seaport Operations	HLS 213 Transportation & Border Security (AACC Approved Elective)	BPA 238 Domestic & Internat. Freight Operations	BPA 275 Internship in Business 1	
<b>Administer college placement exams (reading, math and writing) and other assessments to determine academic readiness and career skill preparedness</b> <b>THIS GUIDELINE SHOULD NOT BE REGARDED AS AN IRREVOCABLE CONTRACT - ACADEMIC/CAREER ADVISING IS RECOMMENDED TO ASSURE ACCURACY OF PROGRAM REQUIREMENTS</b>										
<b>COMMUNITY COLLEGE</b>	TERM I	Composition & Intro. to Literature 1 OR Composition & Literature	Mathematics Requirement	Biological/Physical Sci. OR Mathematics OR Computer Tech. Req.		Business & Its Environment	Principles of Management			
	TERM II	Composition & Intro. to Literature 2		Fundamentals of Oral Communication	Introduction to Psychology OR Introduction to Sociology	Introduction to Economics OR Principles of Economics 1	Business Communications			
	TERM III			Biological/ Physical Sciences Requirement	Health/Fitness/Wellness Requirement	Financial Accounting	Legal Issues for Business OR Business Law 1			



**Optional Degrees:** Business Mgmt.-Logistics and Supply Chain Management, Option AAS or Certificate; Homeland Security-Transportation and Border Security Track, AAS;Transportation, Logistics and Cargo Security Certificate

[Bachelor Degree Transfer Information](#)

Required Courses
Required Career and Technical Education Courses
Recommended Elective Courses (optional courses available)
Concurrent/Dual Enrollment Courses
College credit earned in high school
Mandatory Assessments, Advising, and Additional Preparation

## Dual Enrollment Collaborative Effort

The dual enrollment program at NCHS is a collaborative effort with AACC and has the active support of and assistance from:

- The Anne Arundel County Board of Education
- The NCHS Integrated Community Stakeholders Team
- AACC's Transportation, Logistics, and Cargo Security Advisory Board
- Baltimore Washington International Airport
- The Port of Baltimore
- The Baltimore Port Alliance
- The Southeast Maritime and Transportation (SMART) Center



## ***Fun Fact:* TLCS Students Streamline Warehouse Operations on Campus**

TLCS students in the *Logistics Technologies* course developed and implemented a logistics technology solution for inventory tracking for AACC's Dance Studio in partnership with Barcoding, Inc.

Students completed this work as a service learning project. They plan to work with other AACC departments, including Photography and Theatre, that need inventory tracking capabilities.



# AACC's Intermodal Transportation Center at Glen Burnie Town Center

Work is underway to transform one floor of the off-site location, the Glen Burnie Town Center, into an Intermodal Transportation Center, complete with a *Logistics Learning Lab*, which will include:

- Intermodal Resource Library
- Classrooms
- Simulated Warehouse Lab with racks, shelving, barcoding equipment
- Demonstration space for pick/pack operations, ship lashings, airport airside operations
- Computer Simulation Lab for port, airport, warehousing/distribution, and intermodal simulation programs
- Lobby, conference room, offices, kitchen, lounge

*To be completed summer 2019.*



# Workforce Contracts



## **Federal agency incumbent workers**

- In spring 2019 AACC began its fifth cohort of 25 students each in partnership with the Intelligence industry in and around Fort George G. Meade area that includes the National Security Agency and the Central Intelligence Agency.

## **Industry incumbent workers**

- Acquiring workforce contracts with industry through partnerships with the college's Workforce Development office, Anne Arundel Economic Development Corporation, Anne Arundel Workforce Development Corporation, Maryland State Department of Labor, Licensing and Regulation.

## TLCS Program Expanding into Skilled Trades & Drones

- AACC has launched an aggressive Capital Campaign to build the *Center for Innovation and Skilled Trades* at AACC. The initial build will be a 12,000 square foot facility to house skilled trades, including: Plumbing, Welding, Electric, HVAC, and Forklift and expanding to marine skilled trades, including composite. (See next slide.)
- AACC is collaborating with the *American Boat and Yacht Council* (ABYC) with the vision of adopting ABYC curriculum and building an ABYC-compliant shop in the new Center for Innovation and Skilled Trades to eventually become a Marine League School.
- AACC is collaborating with the *Anne Arundel County Marine Advisory Board* to create credit (Marine Manager and Dock Master curriculum) and noncredit (skilled trades opportunities) for residential and commercial marina workers in the region.
- AACC has created *LASR @ AACC* (Land, Air, Sea Robotics) in collaboration with the UAS (Unmanned Aerial Systems) Academy. A drone/robotic lab and drone student club have been created on campus, and over 25 faculty have been trained as FAA-approved drone pilots. *LASR* curriculum is currently being integrated into existing courses and some students are working with local marinas.

# Center for Innovation and Skilled Trades – *initial phase to be completed in early 2021 – rendering shows expansion plans*



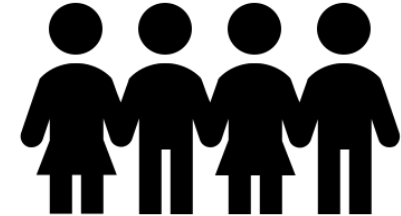
Front Perspective



Rear Perspective

## TLCS Program Partners ... and growing!

- Anne Arundel Economic Development Corporation
- Anne Arundel Workforce Development Corporation
- Anne Arundel County
- Anne Arundel County Public Schools
- Port of Baltimore
- Baltimore Washington International Airport
- U.S. Coast Guard
- MITAGS
- Ft. George Meade and Federal agencies
- MD Department of Transportation
- MD Department of Labor, Licensing and Regulation
- American Boat and Yacht Council – *Pending*
- MD Marine Trades Association - Pending
- UAS Academy (Drones)
- Baybrook Alliance (*serves unique needs of north Anne Arundel County*)
- Community of Hope (*serves unique needs of north Anne Arundel County*)
- Numerous industry in the region
- **DMCOE Consortium**





## AACC Continues Partnership with **SMART** SOUTHEAST MARITIME AND TRANSPORTATION CENTER

- SMART Year 3 activities, included:
  - SMART Maritime Focus Group at AACC – Sept 2018
  - SMART Maritime Student-Parent Field Day at AACC – Sept 2018
- SMART extension Year 4, to include:
  - ***SMART Maritime Student-Parent Field Day*** at AACC (due to overwhelming success in 2018)
  - ***TLCS Youth Summer Camp*** program at AACC targeting elementary / middle school students (San Jacinto/TCC model)
  - ***TLCS Summer Institute @ AACC*** for teachers in Anne Arundel County schools

# AACC's Transportation, Logistics, and Cargo Security Program Outreach

## Local

- HS dual enrollment
- HS 'Hub' in North County
- Federal agency cohorts
- Workforce contracts
- Logistics Learning Lab on campus
- New course and program development
- Skilled Trades in transportation and logistics
- Community / industry awareness
- Events (Marine Trades Fair at Annapolis HS, Business and Law Days at AACPS)

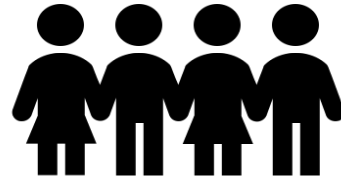
## Regional

- Partnerships at port, airport, other regional sectors
- Recognition as leader in transportation and logistics
- Maritime Career Fairs
- SMART Institutes and Initiatives
- AACC-sponsored Focus Groups
- Baltimore Port Alliance

## National

- Assisting in establishing national standards for logistics and maritime
- Stackable credentialing standards
- Partnership in American Boat & Yacht Council
- **Potential Domestic Maritime Center of Excellence**

**We're interested in creating partnerships with  
our DMCOE Consortium colleagues!**



**If you're interested in working with AACCC on  
some shared opportunities, please contact:**

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**410.777.1324 or 410.777.7370**