



2023-2024 Course Catalog

Dual Enrollment Partnership



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Daily Class Schedule

<u>AM Class Schedule at CCA</u>		<u>PM Class Schedule at CCA</u>	
1st Block	8:25 - 9:40	3rd Block	12:05 - 1:20
2nd Block	9:45 - 11:00	4th Block	1:25 - 2:40
AM Dismissal	11:00	PM Dismissal	2:40

Subject to change

<u>AM Class Schedule at CCA WEDNESDAY</u>		<u>PM Class Schedule at CCA WEDNESDAY</u>	
1st Block	8:25 - 9:30	3rd Block	11:40 - 12:45
2nd Block	9:35 - 10:40	4th Block	1:50 - 1:55
AM Dismissal	10:40	PM Dismissal	1:55

Subject to change

Bus Transportation

Bus transportation is available to and from the base school.

<u>AM Bus Schedule</u>		<u>PM Bus Schedule</u>	
Depart Base School	8:00	Depart Base School	11:40
Depart CCA	11:10	Depart CCA	2:50

Subject to change

<u>AM Bus Schedule WEDNESDAY</u>		<u>P M Bus Schedule WEDNESDAY</u>	
Depart Base School	8:00	Depart Base School	11:15
Depart CCA	10:50	Depart CCA	2:05

Subject to change

Workforce Ready

Program Description: Students will acquire employability skills that ease their transition to the workforce. Specific skills within the course provide additional opportunities for students to sharpen academic and employability skills, financial literacy, multiple forms of communication strategies, mastery of technology and specific-related tools, workplace safety, and self-advocacy approaches.

Credits Earned: 3 high School Credits

Certificates Earned: CTAE Pathway - Workforce Ready

Program Course of Study:

Term	High School Course	Course Number	College Credits	HS Credit
Freshman Year Take at Home School	From Here to Career	32.4300	NA	1
Year 1 Fall Semester	Career Competencies	32.4310	NA	.5
Year 1 Spring Semester	Career Competencies	32.4310	NA	.5
Year 2 Fall Semester	Advanced Career Competencies	32.4320	NA	.5
Year 2 Spring Semester	Advanced Career Competencies	32.4320	NA	.5

Computer Forensics and Cybersecurity

Program Description: This program is designed to give students the knowledge they need to understand how to detect and prevent computer-related criminal activity and/or unauthorized use, including computer systems security, and the knowledge they need to understand and maintain computer information systems security.

Credits Earned: 37 College Credits (Requires use of Hope Grant over 30 hours)
10 High School Credits

Certificates Earned: TCC CERTIFICATE #1 - COMP TIA A+ CERTIFIED PREPARATION (CA61)
TCC CERTIFICATE #2 - COMP TIA A+ CERTIFIED TECHNICIAN PREPARATION (CA71)
TCC CERTIFICATE #3 - PC REPAIR AND NETWORK TECHNICIAN CERTIFICATE (PR21)
TCC CERTIFICATE #4 - COMPUTER FORENSICS AND SECURITY SPECIALIST (CF51)
TCC CERTIFICATE #5 - CYBERSECURITY FUNDAMENTALS (CW71)

Career Opportunities: Computer Forensic Analyst, Digital Forensic Examiner, Network Forensic Examiner, Security Analyst, Security Software Developer, Cryptanalyst, Security Consultant

Salary Potential: \$45,000 - \$120,000

Program Course of Study:

Term	GNTC Course Name	Course Number	College Credits	HS Credit
Year 1 Fall Semester	Introduction to Computer Literacy	COMP 1000	3	1
	Computer Concepts	CIST 1001	4	1
	Hardware Installation and Maintenance	CIST 1122	4	1
Year 1 Spring Semester	Information Security Fundamentals	CIST 1601	3	1
	Operating Systems Concepts & Virtual Cloud	CIST 1135	4	1
	Introduction to Networks - CISCO	CIST 2451	4	1
Year 2 Fall Semester	Network Security	CIST 2602	4	1
	Computer Forensics	CIST 2612	4	1
Year 2 Spring Semester	Security Policies and Procedures	CIST 1602	3	1
	Implementing Operating Systems Security	CIST 2601	4	1

Computer IT

Program Description: This program is designed to provide computer users with the technical skills and knowledge, and customer relations skills essential for working as a successful entry-level computer service technician. The program teaches how to maintain and troubleshoot computer hardware and software and be a support person to handle calls from customers.

Credits earned: 35 College Credits (Requires use of Hope Grant over 30 hours)
10 High School Credits

Certificates Earned: TCC CERTIFICATE #1 - COMP TIA A+ CERTIFIED PREPARATION (CA61)
TCC CERTIFICATE #2 - COMP TIA A+ CERTIFIED TECHNICIAN PREPARATION (CA71)
TCC CERTIFICATE #3 - PC REPAIR AND NETWORK TECHNICIAN CERTIFICATE (PR21)
TCC CERTIFICATE #4 - HELP DESK SPECIALIST CERTIFICATE (HD41)
TCC CERTIFICATE #5 - CYBERSECURITY FUNDAMENTALS (CW71)

Career Opportunities: Help Desk Specialist, PC Repair Technician, Computer Support Specialist, Network Administrator, Data Analyst, IT Technician, IT Manager

Salary Potential: \$45,000 - \$120,000

Program Course of Study:

Term	GNTC Course Name	Course Number	College Credits	HS Credit
Year 1 Fall Semester	Introduction to Computer Literacy	COMP 1000	3	1
	Computer Concepts	CIST 1001	4	1
	Hardware Installation and Maintenance	CIST 1122	4	1
Year 1 Spring Semester	Information Security Fundamentals	CIST 1601	3	1
	Operating Systems Concepts & Virtual Cloud	CIST 1135	4	1
	Introduction to Networks - CISCO	CIST 2451	4	1
Year 2 Fall Semester	Structured Query Language (SQL)	CIST 1220	4	1
	Program Design and Development	CIST 1305	3	1
Year 2 Spring Semester	Security Policies and Procedures	CIST 1602	3	1
	Desktop Support Concepts	CIST 2130	3	1

Construction

Program Description: This program provides instruction in the fundamentals of construction. Topics include basic construction knowledge and skills, construction drafting, costs and materials estimating, inspection practices, print reading, estimating review, drafting, codes review, computerized scheduling, and construction contracting.

Credits Earned: 27 College Credits
9 High School Credits

Certificates Earned: TCC CERTIFICATE #1 - CONSTRUCTION MANAGEMENT APPRENTICESHIP (CM71)
TCC CERTIFICATE #2 - CONSTRUCTION MANAGER (CM81)

Career Opportunities: Construction Site Worker, Heavy Construction Equipment Worker, Tile Setter, Drywall Finisher, Roofer, Foreman, Construction Estimator, Construction Inspector

Salary Potential: \$35,000 - \$85,000

Program Course of Study:

Term	GNTC Course Name	Course Number	College Credits	HS Credit
Year 1 Fall Semester	Overview of Building Construction Practices	COFC 1011	3	1
	Professional Tool Use and Safety	COFC 1020	3	1
Year 1 Spring Semester	Construction Print Reading Fundamentals	COFC 1050	3	1
	Site Layout Footings and Foundations	CARP 1070	3	1
Year 2 Fall Semester	Residential Estimating Review	CMTT 2010	3	1
	Construction Drafting I	CMTT 2020	3	1
Year 2 Spring Semester	Residential Code Review	CMTT 2050	3	1
	Computerized Construction Scheduling	CMTT 2130	3	1
	Construction Contracting	CMTT 2170	3	1

Criminal Justice

Program Description: This program emphasizes a combination of criminal justice theory and practical application necessary for successful employment. Upon completion of this program students may pursue entry level opportunities in criminal justice such as Corrections Officer and Dispatch Officer.

Credits Earned: 24 College credits
9 High School Credits

Certificates Earned: PROFESSIONAL CERTIFICATE #1 - CORRECTIONS OFFICER CERTIFICATE
PROFESSIONAL CERTIFICATE #2 - COMMUNICATIONS DISPATCH
CERTIFICATE TCC CERTIFICATE #1 - CRIMINAL JUSTICE CERTIFICATE (CJ21)
TCC CERTIFICATE #2 - INTRODUCTION TO CRIMINAL JUSTICE (IT51)

Career Opportunities: Corrections Officer, Dispatch Officer, Security Officer, Police Officer,

Salary Potential: \$35,000 - \$80,000

Program Course of Study:

Term	GNTC Course Name	Course Number	College Credits	HS Credit
Year 1 Fall Semester	Introduction to Criminal Justice	CRJU 1010	3	1
	Corrections	CRJU 1030	3	1
	*Applications of Corrections	43.457	NA	.5
Year 1 Spring Semester	Principles of Law Enforcement	CRJU 1040	3	1
	Criminal Procedure	CRJU 2050	3	1
	*Applications of Corrections	43.457	NA	.5
Year 2 Fall Semester	Criminal Law for Criminal Justice	CRJU 1068	3	1
	Constitutional Law for Criminal Justice	CRJU 2020	3	1
Year 2 Spring Semester	Ethics and Cultural Perspectives for Criminal Justice	CRJU 1400	3	1
	Juvenile Justice	CRJU 2070	3	1

*High School Course

Machinist

Program Description: This program prepares students for a machine tool operator position with a machine shop or machine tool establishment. Topics include foundations of machine tool mathematics, machine tool technology, lathe operating, mill operating, and blueprint reading for machine tool applications.

Credits Earned: 30 College Credits
8 High School Credits

Certificates Earned: TCC CERTIFICATE #1 - BASIC MACHINIST (BM31)
TCC CERTIFICATE #2 - MILL OPERATOR (MP11)
TCC CERTIFICATE #3 - LATHE OPERATOR (LP11)

Career Opportunities: Machine Tool Operator, Machinist, Mill Operator, Lathe Operator

Salary Potential: \$36,000 - \$90,000

Program Course of Study:

Term	GNTC Course Name	Course Number	College Credits	HS Credit
Year 1 Fall Semester	Foundations of Mathematics	MATH 1012	3	1
	Introduction to Machine Tool	MCHT 1011	4	1
Year 1 Spring Semester	Print Reading for Machine Tool	MCHT 1012	3	1
	Mill Operations I	MCHT 1120	4	1

Term	GNTC Course Name	Course Number	College Credits	HS Credit
Year 2 Fall Semester	CNC Fundamentals	AMCA 2110	4	1
	Lathe Operations I	MCHT 1119	4	1
Year 2 Spring Semester	CNC Mill Manual Programming	AMCA 2130	5	1
	CNC Lathe Manual Programming	AMCA 2150	5	1

Mechatronics

Program Description: This program provides training in the maintenance of industrial motor controls and prepares students for employment using basic electrical maintenance skills. Topics include industry safety, industrial wiring, DC and AC motors, basic, advanced, variable speed motor controls, and magnetic starters and braking.

Credits Earned: 34 College Credits (Requires use of Hope Grant over 30 hours)
8 High School credits

Certificates Earned: TCC CERTIFICATE #1 – INDUSTRIAL ELECTRICIAN (IE41)
TCC CERTIFICATE #2 – INDUSTRIAL MOTOR CONTROL TECHNICIAN (IM41)
TCC CERTIFICATE #3 – ADVANCED PLC AND HMI TECHNICIAN (AP31)

Career Opportunities: Robotics Technician, Instrumentation Technician, Control System Technician, Equipment Technician, Automation Technician, Electromechanical Technician

Salary Potential: \$35,000 - \$90,000

Location: This program is located on the Catoosa GNTC campus.

Program Course of Study:

Term	GNTC Course Name	Course Number	College Credits	HS Credit
Year 1 Fall Semester	DC Circuit Analysis	IDSY 1101	3	1
	AC Circuit Analysis	IDSY 1105	3	1
	Industrial Wiring	IDSY 1130	4	1
Year 1 Spring Semester	Industrial Motor Controls I	IDSY 1110	4	1
	Industrial Motor Controls II	IDSY 1210	4	1
Year 2 Fall Semester	Basic Industrial PLC's	IDSY 1120	4	1
	Networking Industrial Equip	IDSY 2830	4	1
Year 2 Spring Semester	Intermediate Industrial PLC's	IDSY 1220	4	1
	Industrial Instrumentation	IDSY 1230	4	1

Logistics and Supply Chain

Program Description: This program is designed to provide an overview of the logistics process from product idea conception to product delivery to the consumer. Topics include basic fundamentals of supply chain management, including a general knowledge of current management practices in logistics management, effective materials management, obtaining low cost and quality products, and transportation.

Credits Earned: 27 College Credits
9 High School Credits

Certificates Earned: TCC CERTIFICATE #1 - LOGISTICS & SUPPLY CHAIN TECHNICIAN CERTIFICATE (LA51)
TCC CERTIFICATE #2 - LOGISTICS MANAGEMENT TECHNICIAN CERTIFICATE (LMT1)
TCC CERTIFICATE #3 - LOGISTICS MANAGEMENT SPECIALIST CERTIFICATE (LM21)

Career Opportunities: Logistics Coordinator, Logistics Specialist, Logistics Manager, Logistics Analyst, Transportation Manager, Inventory Analyst, Warehouse Manager, Fleet Manager

Salary Potential: \$40,000 - \$100,000

Program Course of Study:

Term	GNTC Course Name	Course Number	College Credits	HS Credit
Year 1 Fall Semester	Business Logistics	LOGI 1000	3	1
	Introduction to Supply Chain Management	SCMA 1000	3	1
	Introduction to Transportation & Logistics	SCMA 1003	3	1
Year 1 Spring Semester	Purchasing	LOGI 1010	3	1
	Materials Management	LOGI 1020	3	1
Year 2 Fall Semester	Principles of Management	MGMT 1100	3	1
	Introduction to Computer Literacy	COMP 1000	3	1
Year 2 Spring Semester	E-commerce in Supply Chain Management	SCMA 1015	3	1
	Leadership	MGMT 1115	3	1

Welding

Program Description: This program prepares students for careers in the welding and joining industry. Topics include welding technology, arc welding, oxyfuel cutting techniques, flux cored arc welding, MIG welding techniques, and TIG welding techniques.

Credits Earned: 32 College Credits (Requires use of Hope Grant over 30 hours)
8 High School Credits

Certificates Earned: TCC CERTIFICATE #1 - BASIC SHIELDED METAL ARC WELDER (FS31)
TCC CERTIFICATE #2 - GAS METAL ARC WELDER (GM31)
TCC CERTIFICATE #3 - GAS TUNGSTEN ARC WELDER (GM31)
TCC CERTIFICATE #4 - FLUX CORE ARC WELDER (FS31)

Career Opportunities: Welding Technician, Welder, Pipe Fitter, Pipe Welder, Tack Welder, MIG Welder, TIG Welder, Manufacturing Welder

Salary Potential: \$36,000 - \$100,000

Program Course of Study:

Term	GNTC Course Name	Course Number	College Credits	HS Credit
Year 1 Fall Semester	Introduction to Welding Technology	WELD 1000	4	1
	Oxyfuel and Plasma Cutting	WELD 1010	4	1
Year 1 Spring Semester	Flat Shielded Metal Arc Welding	WELD 1040	4	1
	Horizontal Shielded Metal Arc Welding	WELD 1050	4	1
Year 2 Fall Semester	Vertical Shielded Metal Arc Welding	WELD 1060	4	1
	Gas Metal Arc welding	WELD 1090	4	1
Year 2 Spring Semester	Gas Tungsten Arc Welding - stand alone	WELD 1110	4	1
	Flux Core Arc Welding	WELD 1153	4	1

Healthcare Science

Program Description: The program provides training and as well as the clinical experiences to perform a full range of patient care duties or services under nursing or medical direction. This includes taking vital signs, obtaining lab specimens, assisting with activities of daily living, observing and charting patient information, drawing blood, and reporting appropriate information to supervisors.

Credits Earned: 4 High School Credits

Certificates Earned: PROFESSIONAL CERTIFICATE #1 - CERTIFIED NURSING ASSISTANT
PROFESSIONAL CERTIFICATE #2 - PATIENT CARE TECHNICIAN
PROFESSIONAL CERTIFICATE #3 - CERTIFIED CLINICAL MEDICAL
ASSISTANT PROFESSIONAL CERTIFICATE #4 - PHLEBOTOMY TECHNICIAN

Career Opportunities: Certified Nursing Assistant, Patient Care Technician, Medical Assistant, Phlebotomist

Salary Potential: \$25,000 - \$40,000

Program Fees: Possible purchase of medical scrubs

Program Course of Study:

Term	High School Course Name	Course Number	College Credits	HS Credit
Year 1 Fall Semester	Patient Care Fundamentals	25.436	NA	1
	Patient Care Technician	25.449	NA	1
Year 1 Spring Semester	Medical Assisting	25.438	NA	1
	Diagnostics Phlebotomy	25.574	NA	1

For students preparing to study pre-health care sciences in college, the FHTC College and Career Academy offers the following dual enrollment biology courses through Dalton State:

Term	High School Course Name	Course Number	College Credits	HS Credit
Year 1 Spring Semester	Principles of Biology I	BIOL 1107K	4	1
	Principles of Biology I	BIOL 1108K	4	1
Year 2 Fall Semester	Anatomy and Physiology I	BIOL 2251K	4	1
Year 2 Spring Semester	Anatomy and Physiology II	BIOL 2252K	4	1

Teaching as a Profession

Program Description: This program prepares students for future positions in the field of education. Students complete college prerequisite courses required to enter an education program in college as they study and apply educational practices in the teaching pathway. Students will complete internship hours in local schools as well as become certified as a paraprofessional and substitute teacher. Completion of this course of study prepares students to begin education classes in college.

Credits Earned: 15 College credits
9 High School credits

Certificates Earned: PROFESSIONAL CERTIFICATE #1 - PARAPROFESSIONAL
PROFESSIONAL CERTIFICATE #2 - SUBSTITUTE TEACHER

Career Opportunities: Paraprofessional, Substitute Teacher, School Teacher

Salary Potential: \$35,000 - \$70,000

Program Course of Study:

Term	Course Name	Course Number	College Credits	HS Credit
Year 1 Fall Semester	English Composition I (GNTC or DSC)	ENGL 1101	3	1
	Examining the Teaching Profession (HS)	13.011	NA	1
Year 1 Spring Semester	English Composition II (GNTC or DSC)	ENGL 1102	3	1
	Contemporary Issues in Education (HS)	13.012	NA	1
Year 2 Fall Semester	Intro to Psychology	PSYC 1101	3	1
	Teaching as a Profession Practicum (HS)	13.013	NA	1
Year 2 Spring Semester	Fundamentals of Speech (GNTC or DSC)	COMM 1110	3	1
	College Algebra OR Pre-Calculus (GNTC or DSC)	MATH 1111 MATH 1113	3	1
	Teaching Internship (HS WBL)	13.7114	NA	1

College Degree Academic Courses

Program Description: Students in grades 11-12 can earn college credit while in high school. Up to 30 college credit hours are funded by the state (Over 30 hours are self pay). Students must meet college eligibility requirements in order to participate.

DALTON STATE Course Offerings

Area A: Essential Skills	Credit Hours	Fall or Spring	
ENGL 1101 English Composition I	3		
ENGL 1102 English Composition II	3		
MATH 111 College Algebra	3		
Area B: Institutional Options	Credit Hours	Fall or Spring	
COMP 1110 Fundamentals of Speech	3		
Area C: Humanities	Credit Hours	Fall or Spring	
ENGL 2130 American Literature I	3		
Area D: Science/Math/Technology	Credit Hours	Fall or Spring	
BIOL 1107K Principles of Biology I	4		
BIOL 1108K Principles of Biology II	4		
MATH 1113 Precalculus Mathematics	3		
Area E: Social Sciences	Credit Hours	Fall or Spring	
ECON 2106 Principles of Microeconomics	3		
POLS 1101 American Government	3		
PSYC 1101 Introduction to Psychology	3		
PSYC 2103 Human Development	3		
Health Science Prerequisites	Credit Hours	Fall or Spring	
BIOL 2251K Anatomy & Physiology I	4	Fall only '24	
BIOL 2252K Anatomy & Physiology II	4	Spring only '25	
MATH 1401 Elementary Statistics	3		

GNTC Course Offerings

Area A: Essential Skills	Credit Hours	Fall or Spring	
ENGL 1101 Composition and Rhetoric	3		
ENGL 1102 Literature and Composition	3		
MATH 111 College Algebra	3		
Area C: Humanities	Credit Hours	Fall or Spring	
ENGL 2130 American Literature	3		
Area D: Science/Math/Technology	Credit Hours	Fall or Spring	
MATH 1113 Precalculus	3		
Area E: Social Sciences	Credit Hours	Fall or Spring	
HIST 2111 U. S. History I	3		
HIST 2112 U. S. History II	3		
ECON 2106 Microeconomics	3		
POLS 1101 American Government	3		
PSYC 1101 Introductory Psychology	3		
Health Science Prerequisites	Credit Hours	Fall or Spring	
MATH 1127 Introduction to Statistics	3		

