

ADMISSIONS AND PROGRAM REQUIREMENTS



Admissions criteria vary for each Midlands Youth Apprenticeship Program track. Please review the entrance criteria and program descriptions found in this packet.

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ADMISSIONS AND PROGRAM REQUIREMENTS

CNA/NURSING PATHWAY

About the Program

The CNA/Nursing Pathway will provide a foundation in healthcare careers, communication, soft skills, computers, and anatomy and physiology. Students will develop basic nursing skills required of nursing assistants in skilled healthcare settings, such as activity of daily living, vital signs, eating, elimination, and safety measures. Instructional methods will be varied including classroom, online/hybrid, simulation/virtual reality, and clinical rotations. Skills taught in this program are those listed as required for the National Nurse Aide Assessment Program (NNAAP) Examination. Successful completion of this exam, along with listing on the South Carolina Nurse Aide Registry, is required to work as a Certified Nursing Aide in South Carolina.

Employment opportunities in South Carolina include positions in places such as hospitals, skilled nursing home facilities, long-term care facilities, hospice, and home healthcare. Related careers include patient care technicians, personal care aides, and rehabilitation aides/assistants.

Students must receive a grade of "C" or better on all CNA/Nursing Pathway courses. Students must pass a final comprehensive exit examination to graduate from the program. Students may not repeat CNA/Nursing Pathway courses more than once, nor may they progress to the next semester until that course is passed. Students may repeat only two CNA/Nursing Pathway courses.

Students will rotate through extended care facilities, hospitals, and clinics in the MTC service area for practical experience in Nursing Assisting. Students will be required to comply with regulations required by off-campus clinical sites, which might include fingerprinting, background checks, and drug screenings.

In addition to the college's placement test and the specific admissions requirements for the Health Sciences department, specific interview eligibility criteria for the CNA/Nursing Pathway program include:

Admissions Criteria

- > Satisfactory compliance with required medical, physical, and immunization requirements
- > Signed commitment contract

Entrance Requirements

- > Acceptable placement test score(s); ACCUPLACER® (RDG: 250, ARITH: 250, QAS: 250, AAF: 200)
- > Current High School Apprenticeship Student
- > Note: Students will need to meet additional entrance requirements to take nursing coursework if moving forward with the MTC Nursing program at the completion of the youth apprenticeship.

Other Recommendations

- > High school or college credits in math/science (algebra, biology, chemistry)
- > Computer skills/keyboarding skills

ADMISSIONS AND PROGRAM REQUIREMENTS

CNA/NURSING PATHWAY

CNA/Nursing Pathway | 27 Academic credit hours, plus one 112-clock-hour Training course

Semester	Courses	Class Title	Credit Hours
1	ENG 101	English Composition I	3
	MAT 102	Intermediate Algebra	3
2	PSY 201	General Psychology	3
	MAT 120	Probability and Statistics	3
3	PSY 203	Human Growth and Development	3
	BIO 210	Anatomy & Physiology I	4
4	BIO 211	Anatomy & Physiology II	4
	Elective	Humanities Elective	3
	NUR 131	Introduction to Pharmacology	1
		Total Credits	27

Plus a Certified Nursing Assistant (CNA) Training course (112 clock hours)

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CNA/NURSING PATHWAY | ESSENTIAL FUNCTIONS

Students must be able to perform the essential functions with or without reasonable accommodation.

Essential Function	Standard	Examples of Necessary Activities	Performance Ability* (circle answer)	
			Yes	No
Critical Thinking	Critical thinking ability sufficient for clinical judgment.	Identify cause/effect relationships in clinical situations. Synthesize data.	Yes	No
Interpersonal Skills	Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	Establish and maintain supportive relationships with patients and other health care providers.	Yes	No
Communication	Communication abilities sufficient for interaction with others in verbal and written form. Speak, write, read, and comprehend English. Sufficient voice volume to summon assistance.	Explain treatment/procedures, initiate health teaching, and document and interpret nursing actions and patient responses.	Yes	No
Mobility	Physical ability sufficient to move from room to room and maneuver in small spaces. Ability to lift, position, push, or transfer patients.	Move around in patients' rooms, work spaces, and treatment areas; administer CPR. Push, pull, or move/lift equipment/supplies (up to 25 pounds). Ability to reach, stoop, bend, kneel, and crouch. Prolonged standing/walking.	Yes	No
Motor Skills	Gross and fine motor abilities sufficient to provide safe and effective nursing care.	Calibrate and use equipment; position patients; assist patients in and out of bed. Use coordinated finger and hand movements.	Yes	No
Hearing	Auditory ability sufficient to monitor and assess health needs.	Hear monitor alarms, emergency signals, auscultatory sounds, and cries for help.	Yes	No
Visual	Visual acuity sufficient for observation and assessment necessary in nursing care (Corrected 20/40). Distinguish color.	Observe patient responses; read patients' records, including physician orders; administer medications; read syringes, labels, and computer screens.	Yes	No
Tactile	Tactile ability sufficient for physical assessment.	Perform palpation, take a pulse, and/or those related to therapeutic interventions (e.g., insertion of a catheter).	Yes	No
Olfactory	Olfactory senses sufficient for maintaining environmental and patient safety.	Distinguish smells that are contributory to assessing and/or maintaining patient's health status (e.g., smell smoke).	Yes	No
Professional Appearance	Ability to present professional appearance and implement measures to maintain own physical health.	Use good personal hygiene. Keep nails trimmed. No nail biting. No visible tattoos.	Yes	No
Professional Behavior	Ability to maintain own mental health and emotional stability.	Work under stressful conditions. React calmly in emergency situations. Show concern for self and others. Demonstrate flexibility.	Yes	No

Students requiring reasonable accommodation may contact Counseling and Career Services at 803.822.3505.

ADMISSIONS AND PROGRAM REQUIREMENTS

PHARMACY TECHNICIAN

About the Program

The Community Pharmacy Technician Certificate provides pharmacy technician training with an application to community practice. The program teaches students proper pharmacy operations under the supervision of registered pharmacists. The curriculum combines classroom, online, and experiential learning with duties carried out by pharmacy technicians in preparing drugs, filling prescriptions, pricing, patient profiles, drug calculations, controlled substances, and other pharmacy-related activities.

Midlands Technical College is accredited for Pharmacy Technician training by the American Society of Health Systems Pharmacists.

American Society of Health System Pharmacists
7272 Wisconsin Avenue
Bethesda, Maryland 20814
(301) 657-3000
ashp.org

Admissions Criteria

- > Satisfactory compliance with required medical, physical, and immunization requirements
- > Signed commitment contract

Entrance Requirements

- > Acceptable placement test score(s); ACCUPLACER® (RDG: 250, ARITH: 250, QAS: 250, AAF: 200)
- > Current High School Apprenticeship Student

Other Recommendations

- > High school or college credits in mathematics/science (algebra, biology, chemistry)
- > Computer skills/keyboarding skills

Certificate | Community Pharmacy Technician (25 credits)

Semester	Courses	Class Title	Credit Hours
1	AHS 180	Health Careers Preparation	3
	PHM 101	Introduction to Pharmacy	3
2	PHM 113	Pharmacy Technician Math	3
	PHM 114	Therapeutic Agents I	3
3	PHM 110	Pharmacy Practice	4
	PHM 124	Therapeutic Agents II	3
4	PHM 152	Pharmacy Technician Practicum I	2
	PHM 164	Pharmacy Technician Practicum II	4
		Total Credits	25

Plus a Certified Nursing Assistant (CNA) Training course (112 clock hours)

MORE INFORMATION | [MIDLANDSTECH.EDU/learn/academics/healthcare/community-pharmacy-technician](https://midlandstech.edu/learn/academics/healthcare/community-pharmacy-technician)

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PHARMACY TECHNICIAN | ESSENTIAL FUNCTIONS

Students must be able to perform the essential functions with or without reasonable accommodation or be able to demonstrate ability to be proficient in the essential functions.

Essential Function	Technical Standard	Examples of Necessary Activities (Not All-Inclusive)	Performance Ability (circle answer)	
PHYSICAL				
Physical Endurance	Ability to remain continuously on task for several hours while standing, sitting, moving, lifting and/or bending. Must lift 20 lbs.	Ability to stand for hours while working, lift boxes to put up stock.	Yes	No
Mobility	Ability to move from room to room and maneuver in small spaces; full range of motion; manual and finger dexterity; and hand-eye coordination.	Ability to move around in work area and treatment areas.	Yes	No
Motor Skills	Ability to use gross and fine motor skills sufficient to provide safe patient care and operate equipment.	Ability to use equipment and instruments with necessary dexterity.	Yes	No
Hearing Ability	Auditory ability sufficient to monitor and assess health needs.	Ability to hear alarms, emergency signals, auscultatory sounds, and cries for help.	Yes	No
Visual Ability	Normal or corrected visual ability sufficient for patient assessment, ability to discriminate between subtle changes in density (black and grey) or a color at low light.	Ability to read computer screen, digital printouts, labels, and gauges.	Yes	No
BEHAVIORAL				
Critical Thinking	Critical thinking ability sufficient for clinical judgment.	Ability to identify cause-effect relationships in clinical situations; synthesize data: draw sound conclusions.	Yes	No
Interpersonal	Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	Ability to establish rapport with patients and colleagues. Use therapeutic communication (attending, clarifying, coaching, facilitating, and teaching. Function (consult, negotiate, share) as a part of a team.	Yes	No
Communication Ability	Ability to communicate sufficiently for effective interaction with others, in spoken and written English.	Ability to initiate prescriptions; document and interpret instructions. Listen attentively.	Yes	No
Professional Attitude and Demeanor	Ability to present professional appearance and implement measures to maintain ones' own physical and mental health and emotional stability.	Ability to work under stressful conditions, react calmly in emergency situations, demonstrate flexibility, and show concern for others.	Yes	No

Students requiring reasonable accommodations may contact Counseling and Career Services at 803.822.3505.

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APPLICATIONS PROGRAMMING PATHWAY

About the Program

The Application Programming Pathway provides the foundation for an entry-level programmer to gain access to the information processing field. Students will be able to code in two high-level languages found in the business environment. Students will be able to develop Windows applications using object-based visual tools.

Admissions Requirements

- > Acceptable placement test score(s); ACCUPLACER® (RDG: 250, ARITH: 250, QAS: 250, AAF: 200)

Courses

Semester	Courses	Class Title	Credit Hours
1	CPT 104	Introduction to Information Technology	3
	CPT 236	Introduction to Java Programming	3
2	IST 225	Internet Communications	3
	CPT 185	Event-Driven Programming	3
3	CPT 224	Data Structures	3
	IST 226	Internet Programming	3
4	CPT 240	Internet Programming with Databases	3
	CPT 237	Advanced Java Programming	3
		Total Credits	24

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INFORMATION SYSTEMS NETWORKING

About the Program

Networking is the common factor in distributed processing, online systems, teleprocessing, terminal based systems and real-time systems. Wide-area communications and local-area networks are explored as well as many of the latest protocols. All topics are covered from a practical rather than a theoretical viewpoint.

Students must earn a cumulative grade of "C" or better in all courses offered within the Information Systems Technology Department to be eligible for graduation.

Admissions Requirements

- > Acceptable placement test score(s); ACCUPLACER® (RDG: 250, ARITH: 250, QAS: 250, AAF: 200)

Courses

Semester	Courses	Class Title	Credit Hours
1	IST 200	CISCO LAN Concepts	3
	ENG 101	English Composition I	3
2	IST 201	CISCO Internet Working Concepts	3
	MAT 102	Intermediate Algebra	3
3	IST 202	CISCO Router Configuration	3
	IST 250	Network Management	3
4	IST 260	Network Design	3
	IST 266	Internet and Firewall Security	3
		Total Credits	24

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MECHATRONICS TECHNOLOGY I CERTIFICATE

About the Program

Mechatronics Technology Certificate program prepares students to work in the highly automated manufacturing environment of the 21st century. The program is a good fit for students who desire a hands-on career and are technically inclined. Course topics include: AC/DC electricity, principles of manufacturing processes and production, print reading/CAD, industrial safety, hydraulics and pneumatics, programmable controllers, motors, basic principles of mechanics, sensors, and machine tool basics.

Admissions Requirements

> ACCUPLACER: Reading 250; Arithmetic 250; QAS 250; AAF 200

Courses

Semester	Courses	Class Title	Credit Hours
1	ENG 101	English Composition I	3
	MAT 102	Intermediate Algebra	3
2	IMT 140	AC/DC Electricity	5
	AMT 165	Principles of Manufacturing Processes and Production	3
3	IMT 131	Hydraulics and Pneumatics	4
	MTT 120	Machine Tool Print Reading	3
4	IMT 107	Basic Principles of Mechanics	4
	AMT 103	Sensors	3
	MTT 102	Machine Tool Basics	3
		Total Credits	31

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ACCOUNTING CERTIFICATE

About the Program

The Certificate in Accounting is designed to allow students who have an AA/AS or BA/BS to continue their education either for career development, promotion, or new career opportunities. Since all of the courses listed in this certificate program are a subset of the Associate in Applied Science (AAS) in Accounting Degree, students may begin with an Accounting Certificate and continue taking courses to complete the Accounting Degree program.

Admissions Requirements

- > ACCUPLACER: Reading 250; Arithmetic 250; QAS 250; AAF 200

Courses

Semester	Courses	Class Title	Credit Hours
1	ACC 111	Accounting Concepts	3
	CPT 101 OR CPT 170	Introduction to Computers OR Microcomputer Applications	3
2	ACC 101	Accounting Principles I	3
	MAT 102	Intermediate Algebra	3
3	ACC 102	Accounting Principles	3
	ACC 240	Computerized Accounting	3
4	ACC 245	Accounting Applications	3
	ENG 101	English Composition I	3
		Total Credits	24

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ELECTRICITY/ELECTRONICS PATHWAY

About the Program

The Electricity/Electronics Pathway emphasizes theory and hands-on training in electrical wiring, including the applications to residential, commercial, and industrial installations. Although basic installation of electrical components is an important part of the technician's job, increased emphasis has been placed on wiring and programming of programmable logic controllers. Entry-level positions for graduates are available with local electrical contractors, industrial plants, hospitals, power companies, government agencies, and other related businesses.

Admissions Requirements

> ACCUPLACER: Reading 250; Arithmetic 250; QAS 250; AAF 200

Courses

Semester	Courses	Class Title	Credit Hours
1	IMT 140	AC/DC Electricity	5
	EEM 140	National Electrical Code	3
2	IMT 102	Industrial Safety	2
	EEM 172	Electrical Print Reading	4
3	EEM 141	Residential/Commercial Codes	3
	EEM 165	Residential/Commercial Wiring	4
4	EEM 142	Commercial/Industrial Codes	3
	EEM 166	Commercial/Industrial Wiring	4
		Total Credits	28

*Students will also complete the OSHA Certificate.