

- Training in latest robotics and production technologies
- Prepares student for production technician positions
- All classes are available on-line

**Each student that successfully completes the program will:**

- Receive an academic certificate from Florence-Darlington Technical College
- Be prepared to take the Manufacturing Skill Standards Council (MSSC) Certified Production Technician (CPT) exams
- Be prepared to take the National Robotics Training Center (NRTC) Certified Robotics Production Technician (CRPT) exams

Visit our web site for more information about the new, challenging field of robotics and intelligent systems technicians at:  
[www.NRTCcenter.com](http://www.NRTCcenter.com)

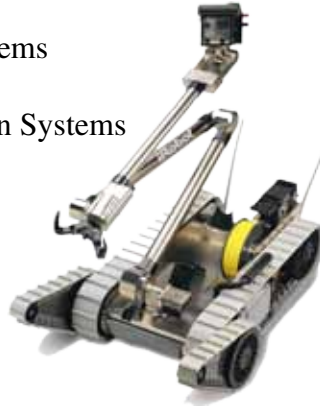
Each class includes:

- Guidance from an on-line instructor
- Text books for all courses
- Lab manual
- Hands-on lab equipment using the VEX educational robotics platform

The VEX Robotics Design System offers students an exciting platform for learning about areas rich with career opportunities spanning science, technology, engineering and math (STEM).

**Topics covered in the program:**

- Computer Systems
- Sensors
- Communication Systems
- Power Systems
- Cameras
- Photonics
- Mobility
- Navigation
- GPS
- Safety
- Manufacturing workplace skills
- Production processes
- Maintenance
- Quality and Continuous Improvement



**Credit Certificate:** Certificate in Applied Science with a major in Robotics Production Technician from Florence-Darlington Technical College, (FDTC) located in Florence, South Carolina.

Florence-Darlington Technical College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, located at 1866 Southern Lane, Decatur, GA 30033.

# Robotics Production Technician Certificate Program



To enroll, please contact the FDTC Admissions Office at (843) 661-8289 or by e-mail at [admissions@fdtc.edu](mailto:admissions@fdtc.edu)

For more information, please contact the NRTC Office at 843-413-2756 or e-mail [Dorothy.Czarnocki@nrtcenter.com](mailto:Dorothy.Czarnocki@nrtcenter.com)

[www.nrtcenter.com](http://www.nrtcenter.com)

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# Robotics Production Technician Certificate Program

The Robotics Production Technician Certificate Program will provide instruction in a short-term program for people who want to enter a production position in the robotics manufacturing industry. This certificate will provide students training in the latest technology in the production of robots for the unmanned vehicle systems industry as well as other related robotics manufacturing and maintenance positions.

Prepare yourself for a rewarding technical career in intelligent systems through this program. Let us help you start your future in a rewarding career now.

- 85 percent of all jobs require some college-level training
- Many employers are requiring their employees to be certified
- Prepares the student for certification and employment in the unmanned systems, robotics and intelligent systems industries
- Manufacture and use of robotic systems will increase during the next decade
- Demand for technicians to manufacture and service these complex technical devices is increasing
- High school recent graduates
- Military personnel preparing for a civilian career
- Incumbent workers retraining for a new career

*Continued on Back Panel*

## First Term Courses

	Lecture Hours	Lab Hours	Credit Hours
AMT 106, Mfg. Workplace Skills	3	0	3
AMT 161, Computer Systems & Sensors	2	3	3
IET 223, Industrial Safety*	3	0	3
AMT 160, Principles of Qual. & Cont. Improv.*	3	0	3
<b>Totals</b>	<b>11</b>	<b>3</b>	<b>12</b>

## Second Term Courses

	Lecture Hours	Lab Hours	Credit Hours
EGR 175, Manufacturing Processes *	2	3	3
AMT 220, Concepts of Lean Manufacturing	3	0	3
AMT 155, Principles of Maintenance*	3	0	3
AMT 164, Communication Systems	1	0	1
AMT 166, Cameras, Photonics, & Light Sources	1	0	1
AMT 167, Robot Mobility & Navigation	1	0	1
<b>Totals</b>	<b>11</b>	<b>3</b>	<b>12</b>

*\* Required for MSSC Certificate (Mfg. Skills Standards Council)*

Prerequisites for entrance:

### Test Scores

Mathematics		English/Verbal	
ACT	16	ACT English/Verbal	15
COMPASS Pre-Algebra	60	COMPASS Reading	61
SAT	380	COMPASS Writing	61
		SAT English/Verbal	400

### NOTES:

1. Students must have satisfactory ACT, COMPASS, or SAT test scores for entrance into this program.
2. Students who do not meet curriculum entrance requirements may be placed in developmental courses to improve basic skills.
3. Students taking courses online should have regular access to a computer - PC or Mac. These computers should have the minimum specifications of 512 MB ram and 4 GB of free hard drive space after installing all software. Students using older PC's without these specifications could experience some problems with the assignments.

### Graduation Requirements

- Complete all required courses specified in the curriculum.
- Any course with the following prefixes requires a grade of "C" or better: AMT, IET, and EGR .
- Fulfill all financial obligations to the College.
- Achieve a Graduation GPA of 2.0 for all courses presented as meeting a program's course requirements.
- Earn at least 25 percent of the total credit hours of his/her curriculum at FDTC.

*Exceptions can be made only by the Vice President for Academic Affairs.*