

Robotics Industry Facts:

- 85 percent of all jobs require some college-level training
- Many employers are requiring their employees to be certified
- 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

Each student that successfully completes the program will:

- Receive an Associate of Arts Degree from Florence-Darlington Technical College
- Be prepared to take the Manufacturing Skill Standards Council (MSSC) Certified Production Technician (CPT) assessments
- Be prepared to take the National Robotics Training Center (NRTC) Certified Robotics Production Technician (CRPT) assessments

Visit our web site for more information about the new, challenging field of robotics and intelligent systems technicians at:

www.NRTCcenter.com

Each class includes:

- Guidance from on-line instructors
- 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).

www.nrtcenter.com

Topics covered in the program:

Computer Systems, Sensors	Power Systems
Communication Systems	Mobility
Navigation, GPS	Safety
Humanities	Social Sciences
Manufacturing workplace skills	Mathematics
Cameras, Photonics, Light Sources	
Production processes, Maintenance	
Quality and Continuous Improvement	
Oral and written communication	

Tuition: FDTC's tuition rate is \$139.80 per credit hour or \$419.40 for a three hour course.

Lab fees: total \$1,120 or \$595 for the first term/AMT 161, Computer Systems & Sensors and \$525 for the second term/AMT 164, 166, and 167, Communication Systems; Cameras, Photonics, and Light Sources; Robot Mobility and Navigation respectively.

Fees are subject to change according to college policy.


All courses are offered in five 8 week terms each year with classes starting in August, October, January, March and May.

Associate of Arts Degree with a concentration in Robotics Production Technology 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 and is a Service-members Opportunity Colleges (SOC) college.



www.nrtcenter.com



Online Associate In Arts Degree with a concentration in Robotics Production Technology

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

For more information, please contact the NRTC Office at 843-413-2756 or e-mail Dorothy.Czarnocki@nrtcenter.com

www.nrtcenter.com

Associate in Arts Degree with a concentration in Robotics Production Technology

The Robotics Production Technician concentration will provide instruction in a degree program for students who want to enter a production position in the robotics manufacturing industry and also have a well rounded associate in arts education. This degree 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.

This Degree:

- Prepares the student for certification and employment in the unmanned systems, robotics and intelligent systems industries
- Provides training in the latest robotic and production technologies
- Prepares students for production technician positions
- Is an on-line program

It is ideal for:

- high school graduates
- military personnel wanting to enhance their military career or prepare for the civilian workforce
- incumbent workers training for a new position or advancement

General Requirements

Communication	9
Humanities and/or Social Sciences	12
Mathematics	6
General Requirements Total	27

Concentration in Robotics Production Technology

<u>First Term Courses</u>	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
Totals	11	3	12

Second Term Courses

EGR 175, Manufacturing Processes **	3	0	3
AMT 220, Concepts of Lean Manufacturing	3	0	3
AMT 155, Principles of Maintenance**	3	0	3
AMT 164, Communication Systems*	0	3	1
AMT 166, Cameras, Photonics, & Light Sources*	0	3	1
AMT 167, Robot Mobility & Navigation*	0	3	1
Totals	9	9	12

Robotics Production Technology Total 24

* Preparation for NRTC Certified Robotics Production Technician Certification

** Preparation for MSSC (Mfg. Skills Standards Council) Certified Production Technician Certification

Other Requirements

Humanities and/or Social Sciences and electives	Other Requirements Total	<u>15</u>
	Degree Minimum	66

Prerequisites for entrance:

Test Scores

Mathematics		English/Verbal	
ACT	20	ACT English/Verbal	20
COMPASS Pre-Algebra	60	COMPASS Reading	81
		COMPASS Writing	78
SAT	480	SAT English/Verbal	480

NOTES:

1. Students must have satisfactory ACT, COMPASS, SAT or equivalent 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.