

TIDEWATER COMMUNITY COLLEGE



General Information

Urgent medical attention determines the difference between life or death for numerous victims of motor vehicle accidents, injuries, heart attacks, near drownings, shortness of breath, strokes, poisonings, and gunshot wounds. Emergency medical personnel are trained to provide immediate medical care and transport of the sick or injured to medical facilities.

The Tidewater Community College Emergency Medical Technology department has several programs that will train an individual from basic EMT to Paramedic. Advanced Life Support (ALS) studies are available to EMT-Enhanced, Intermediate and Paramedic levels. Although all students are encouraged to complete their studies through to the Paramedic level, any student may take each level separately. Flexible schedules allow students to plan their education around their otherwise busy lifestyle. Day, night and full time classes are available at all levels..

Nationally accredited by the Committee on Accreditation of Educational Programs for the EMS Professions

<http://www.bls.gov/oco/ocos101.htm>

The Associate of Applied Science Degree (AAS) consists of EMT Basic, the Intermediate and Paramedic Career Studies, an EMS or Fire elective, and general studies. Many students first obtain their paramedic certification and then continue taking courses to complete requirements for the degree.

EMS skills and knowledge are relevant to ambulance services, fire-rescue, hospitals, industry, military, and volunteer services. Employment for EMS providers is expected to increase more than 25%. An increase in the number of senior citizens who are more likely to need emergency services is only one factor driving the increase.

A typical field operations paramedic in the United States earns a median base salary of **\$37,700**. The market range is \$32,909—\$41,809. The median annual wage for a field supervisor is \$51,129 and for an operations manager is \$74,588.

Information in this packet is subject to change. Students should check periodically to see if materials have been updated.

Table of Contents

General Information	1
EMT Basic	2
Special Topics	2
NREMT Test	3
CPR	3
Advanced Life Support	4
EMT Enhanced Intermediate	4
Paramedic	4 - 5
ACLS	6
PALS	6
Associate Degree Program	7
Critical Care Career Studies	7
Semester	8-9

EMS
Caring in Action.

Visit our web page at
<http://www.tcc.edu/academics/divisions/healthprofessions/EMS/index.htm>

Prospective ALS students are hereby notified that there is a criminal/sex offender background check required for clinical /field internship. The cost of the background check is the responsibility of the student.

Emergency Medical Technician - Basic

The Emergency Medical Technician (EMT) Program is the basis for all higher levels of certification in Virginia. This program provides general instruction in all areas of human body systems and initial care for a wide range of medical conditions. This program is available in two formats.

Credit Hour - EMS 111/120

Credit hour classes earn credits on a transcript and are eligible for financial aid. Full semester classes are available in either day or evening schedules and meet two times a week for four hour sessions. Full-time classes are also available each semester that meet from 0800 -1700 Monday through Friday for 18 days. Eight week versions are available during the summer semester.

EMS 111 is a six credit course with classroom and practical time. EMS 120, a co-requisite, is a one credit coordinated clinical internship completed in the hospital or on an ambulance (10 hours) and is scheduled after classes begin. A physical exam within the last two years with proof of specific immunizations is required before you can start clinical.

2009 Credit Hour Accelerated EMT EMS 111/120

18 Mar—10 Apr
16 Jun—10 Jul
22 Jul—14 Aug
16 Nov—11 Dec

Workforce Development

Classes are full-time and meet from 0800-1700 Monday through Friday for 18 days. You MUST contact Workforce Development, (757) 822-1234 or 1196 to secure a position in the course. Pre-registration and completion of physical exam is required prior to attending. <http://www.tcc.edu/wd/>

Workforce Development Schedule for 2009

6—30 Jan
11 Feb—6 Mar
15 Apr—8 May
19 May—12 Jun
18 Aug—11 Sept
16 Sep—9 Oct
14 Oct—6 Nov

EMT-B WFD course
tuition only \$650

EMT-B WFD
course with textbook \$700



EMT-B Refresher

EMT-B must be renewed every four years for State and every two years for National. We offer refresher programs in two formats. The Workforce Development program meets for five days from 0800 - 1700 and costs \$250.00 without the text. This course meets the 24 hour required topics for both National Registry and Virginia as well as 16 additional hours.

Workforce Development EMT Refresher

10—14 Oct
7—11 Nov

EMS 115 A two credit hour program is offered for five days from 0800 – 1700.

Credit Hour EMT Refresher

31 Jan—4 Feb
7—11 Mar
11—15 Jul

Special schedules for either refresher can be arranged for groups of six or more students.

Call (757) 822-7337 for credit hour and 822-1234 or check the Workforce Development web site www.tcc.edu/wd for WFD schedules and questions.

Tidewater Community College maintains and promotes equal opportunity without regard to ethnicity, color, gender, age (except where gender or age is a bona fide occupational qualification), religion, handicap, national origin, or other non-merit factors. Disclosure of social security number, age, gender, and ethnicity is optional.

National Registry EMT Practical Exam offered

National Registry has transitioned to only computer based testing for the written. All candidates must also complete a practical exam. TCC offers the National Registry EMT (NREMT) practical exam to all qualified individuals. Practical testing must be pre-arranged with the EMT Coordinator. Information concerning Computer Based Testing and the online National Registry application can be located at www.nremt.org.

The fee for the practical exam is: \$30.00

Pre-registration is required.

Contact EMT Coordinator at 757 822-7337

HLT 119 First Responder is a three credit course that provides knowledge and proficiency in basic life support and in actions necessary to minimize patient discomfort and prevention of further complications. Students successfully completing the course are eligible to test for Virginia Certification as an EMT First Responder. This course is offered TR nights from 1800-2200 each 8 week session and includes Healthcare Provider CPR.

The life you save may be someone you love - Cardiopulmonary Resuscitation (CPR) training available



Tidewater Community College is an American Heart Association Training Center and is committed to increasing the number of CPR trained individuals in the community.

We offer American Heart Association CPR courses including retraining. The courses run every semester and can be scheduled upon request for groups either at the college or on site.

HLT 105 Cardiopulmonary Resuscitation at the Virginia Beach campus provides Healthcare provider CPR. This 1 credit course is usually given over a weekend Friday night & Saturday day schedule. See the TCC web site for open courses.

HLT 106 First Aid and Safety is a two credit course that offers Heartsaver CPR and First Aid for Adults and Children. This course is offered over two weekend Friday night / Saturday schedule. See the TCC web site for open courses.

CPR Instructor Course

CPR Instructor is a two day class taught in a variety of formats. All students must be successfully monitored in teaching their first class. All instructors must belong to a Community Training Center.

Pre-Requisites before enrolling in the class per the AHA include:

- Documentation of current Health Care Provider card
- Complete AHA Instructor Candidate application.
- Completion of AHA Instructor Core Module

Onsite or offsite classes with flexible scheduling can be arranged for groups of 6 or more. For more information please call 822-7337.

CPR Instructor Course

HLT 104 CPR Instructor (1 credit)

Offered over 2 days each semester



Advanced Life Support (ALS) Programs: General Information

Pre-Requisites:

- Current EMT & CPR
- 18 years of age at the onset of the program
- High school degree or GED
- Be proficient in reading, writing, and speaking the English language
- Have no physical defects which would render the student unfit to perform all duties required
- Have never been convicted of a felony involving any sexual crime
- No felony convictions within the last five years

<http://www.vdh.state.va.us/OEMS/Training/tprog.asp>

A physical exam within the last two years with proof of specific immunizations is required before you can start the clinical internship.



EMT Enhanced

The EMT Enhanced Program provides the EMS provider with specific skills to provide a limited amount of advanced life support (ALS) treatment to patients.

The EMT-E is authorized to initiate specific intravenous infusions and administer a limited number of intravenous, subcutaneous and intramuscular medications based upon local medical protocols. Additional skills in airway management and endotracheal intubation are included in the program. The skills utilized by the EMT-E may vary due to local requirements or agency Operational Medical Director discretion.

The EMT-E program consists of:

- EMS 151 Introduction to ALS (4 credits)
- EMS 170 ALS Internship I (1 credit)

Students who are interested in only completing EMT-E must be 911 agency affiliated in order to complete the field internship requirements.

For agencies interested in an on-site program or alternative schedules contact the Program Director, Lorna Ramsey, at (757) 822-7335 /7275 or e-mail tcramsl@tcc.edu.

EMT- Intermediate & Paramedic Program

The Paramedic Program is four semesters. The curriculum meets the U.S. Department of Transportation's 1998 Paramedic National Standard Curriculum.

Students upon completion of requirements are eligible to test at the following points in the curriculum:

- after completion of the 1st semester, Virginia EMT Enhanced (if agency sponsored);
- end of the 2nd semester, National Registry Intermediate;
- end of the 4th semester, National Registry Paramedic.

Upon successful completion of the National Registry the student applies for Virginia certification.

Semester 1

EMS 151 Introduction to Advanced Life Support (4)
EMS 153 Basic ECG Recognition (2)
EMS 155 ALS Medical Care (4)
EMS 170 ALS Internship I (1)

Semester 2

EMS 157 ALS Trauma (3)
EMS 159 ALS Special Population (2)
EMS 172 ALS Clinical Internship II (1)
EMS 173 ALS Field Internship I (1)

Semester 3

EMS 201 EMS Professional Development (2)
- can be taken any semester
EMS 205 Advanced Pathophysiology (3)
EMS 207 Advanced Patient Assessment (3)
EMS 242 ALS Clinical Internship III (1)
EMS 243 ALS Field Internship II (1)

Semester 4

EMS 209 Advanced Pharmacology (4)
EMS 211 Operations (2) - can be taken any semester
EMS 244 ALS Clinical Internship IV (1)
EMS 245 ALS Field Internship III (1)

The classroom schedule is 2 nights a week from 1800-2200 or 1 day a week 0800-1700 with occasional Saturday classes. Operations and EMS Professional Development are usually offered as hybrid courses and can be completed during any semester.

The program is set up on a flip-flop schedule *if registration is sufficient to support both sections. Clinical and field is scheduled around the student's needs.*

The Paramedic program develops the skills and knowledge necessary to deliver the highest level of prehospital emergency care using basic and advanced life support techniques.

The program is designed to educate the EMT in all areas of pre-hospital patient care. Courses include: preparatory, airway and ventilation management, patient assessment, trauma, medical, special considerations such as pediatrics, geriatrics, OB/GYN, neonatal, behavioral, assessment-based management, and operations.

*ALS Foundations
Trauma
Medical
Speciality Care
Operations
Assessment-Based
Management*

In Virginia, all initial Intermediate and Paramedic Programs are required to test the National Registry of Emergency Medical Technicians. Upon successful completion of the National Registry testing process, the technician must apply for Virginia certification before being allowed to practice at this level.

Certification or licensure at the Paramedic level is the prevailing national standard for advanced life support training. Virginia does not require Intermediates or Paramedics to maintain their National Registry certification, but it is usually beneficial if you plan to relocate.

Accelerated ALS Programs

Accelerated Intermediate and paramedic programs are available. Paramedic is generally a 36 credit 20 week program with the opportunity to test Intermediate at approximately wk 11 (18 credits).

**30 March to 07 August
03 August to 18 December**

These programs are full-time and requires full-time commitment from the student. Due to the time requirements, outside employment is discouraged.

ALS Refresher

ALS refreshers are available for all levels. These are usually scheduled in January thru March but can be contracted by interested groups. Call (757) 822-7335 for details.

All Intermediates who did not complete programs with an articulation agreement with TCC or TCC students and articulated students over 1 year from completion of Intermediate seeking Paramedic would complete Semesters 3 and 4 as well as

EMS 157 ALS Trauma (3)
EMS 159 ALS Special Populations (2)

**The Tidewater Community College
Paramedic Program is accredited by
the Commission on Accreditation of
Allied Health Education Programs
(CAAHEP)**

Advanced Cardiac Life Support

The goal of an American Heart Association (AHA) Advanced Cardiac Life Support (ACLS) Provider's course is for the participant to acquire the knowledge and skills necessary to manage adult cardiac emergencies. This course is designed for healthcare providers (medical, nursing, paramedical, or allied health personnel) whose daily occupations or volunteer activities demand proficiency in the knowledge and skills of ACLS. Others may attend with the approval of the course director. Pre-course study is required.



Pediatric Advanced Life Support

The American Heart Association's (AHA) Pediatric Advanced Life Support (PALS) program is designed to improve the skills and knowledge in the assessment and management of pediatric and neonatal emergencies. This course is designed for healthcare providers (medical, nursing, paramedical, or allied health personnel) whose daily occupations or volunteer activities demand proficiency in the knowledge and skills of PALS. Others may attend with the approval of the course director. Pre-course study is required.

***EMS 165 (1) credit course available every semester - check online for dates
www.tcc.edu***

registration requires a permission number— available via e-mail at

lramsey@tcc.edu or 757 822-7275

Two Day Provider Course

Recommended for individuals who infrequently use or who have never taken ACLS.

ACLS Renewal

Recommended for experienced providers with extensive experience or for retraining.

HeartCode ACLS Online

***EMS 169 (1) credit course available every semester—check online for dates
www.tcc.edu***

registration requires a permission number— available via e-mail at

lramsey@tcc.edu or 757 822-7275

Two Day Provider Course

Recommended for individuals who infrequently use or who have never taken PALS.

PALS Renewal

Recommended for experienced providers with extensive experience or for retraining.

For more information call (757) 822-7335 / 7275

Associate of Applied Science in Emergency Medical Technology

Tidewater Community College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the associate

General Requirements

_____	Natural Science Elective (4)
ENG 111	College Composition 1 (3)
ENG 131	Technical Report Writing I (3) Can substitute ENG 112
ITE 115	Computer Literacy (4)
_____	Humanities Elective (3)
_____	Social Science Elective (6)
SDV 101	Orientation to Health Care (1)

EMS Course Requirements

EMS 111	Emergency Medical Technician—Basic (6)
EMS 120	EMT-Basic Clinical (1)
EMS 151	Introduction to Advanced Life Support (4)
EMS 153	Basic ECG Recognition (2)
EMS 155	ALS Medical Care (4)
EMS 157	ALS Trauma (3)
EMS 159	ALS Special Populations (2)
EMS 170	ALS Internship (1)
EMS 172	ALS Clinical Internship II (1)
EMS 173	ALS Field Internship I (1)
EMS 201	EMS Professional Development (2)
EMS 205	Advanced Pathophysiology (3)
EMS 207	Advanced Physical Assessment (3)
EMS 209	Advanced Pharmacology (4)
EMS 211	Operations (2)
EMS 242	ALS Clinical Internship II (1)
EMS 243	ALS Field Internship II (1)
EMS 244	ALS Clinical Internship IV (1)
EMS 245	ALS Field Internship III (1)
_____	EMT/HLT/FIR Elective (3)

Pre-requisites

- Current Healthcare Provider CPR
- 18 years of age at the onset of the ALS program
- High school degree or GED
- Be proficient in reading, writing, and speaking the English language
- Have no physical defects which would render the student unfit to perform all duties required
- Have never been convicted of a felony involving any sexual crime
- No felony convictions within the last five years
- 3 units of high school English
- 1 unit each of high school or college math and biology with “C” or better

Critical Care Career Studies

EMS 205	Advanced Pathophysiology (3)
EMS 207	Advanced Patient Assessment (3)
EMS 209	Pharmacology (4)
EMS 240	ALS Clinical Internship (1)
EMS 255	Concepts in Critical Care (5)
EMS 256	12 Lead ECG Interpretation (2)

Any of these courses can be taken independently and may be substituted for certain courses in the Associate Degree Program.

For more information call
(757) 822-7335