Emergency Medical Services

The Emergency Medical Services Program (EMS) leads to one of two levels of certificates or an Associate in Applied Science in Emergency Medical Services.

These programs are directed toward individuals engaged in the delivery of pre-hospital emergency medical care and to prepare the student to pass the National Registry certification written and practical exams at the EMT and Paramedic levels. Lecture, classroom demonstrations, skills practice, case studies, and actual hands on experience based on State and National standards provide the basis for the instruction. The program will provide a thorough presentation of the role of the Emergency Medical Technician or Paramedic, and stresses the recognition of abnormal conditions through analysis of assessment findings and appropriate management for patients with illness or injury at the scene or during transport to a medical facility. The EMS program has options available to meet the student's individual needs for a career in the Emergency Medical Services field or in the municipal fire service.

Students must first be admitted to the college and designate Emergency Medical Services (EMS.APP) as their program code. Admission to the college does not automatically include admission to the EMS Program. Additionally, all students must attend an EMS orientation session and will then be given the information needed to enroll in the EMS program.

EMS Program Admission Requirements

1. Acceptance by the college through OCC application completion
2. High school graduation, GED, or EMS Program Director approval
3. Have accessibility to internet service and printing capabilities
4. Attend an Emergency Medical Services orientation session, fill out an application to the EMS program, and pass a criminal background investigation and drug test.
5. Be at least 18 years of age by completion date for EMT certification or obtain EMS Program Director approval
6. Must be free of any handicaps or disabilities that could affect his/her ability to deliver prompt and efficient care to the sick and injured
7. Provide all required documentation to the EMS Program Director of good physical and mental health signed by a physician, and all other forms and waivers associated with the program.
8. EMS courses have a prerequisite of placement into ENG 1510 or successful completion of ENG 1510 with a GPA of a "C" (2.0) or better.

Paramedic Program Requirements

- Have attended and successfully passed an accredited EMT program.
  - Students who possess a valid Michigan EMT license and/or initial or current National Registry certification may be granted credit for EMS 1010, EMS 1020, and EMS 1100 by providing a notarized copy of either of these documents or bringing the originals to the EMS office so copies may be sent to the Registrar with the EMS Program Director's signature.

All provisions of the program will be explained at the orientation session prior to enrollment in the program. In addition to tuition, Emergency Medical Services students incur extra costs such as health examinations, inoculations, uniforms, supplies, and National Registry and licensure applications.

A criminal history check and drug screen are required for all students entering the program. Exclusionary factors will include

1. Conviction of a felony or conviction of an attempt to commit a felony within the last 15 years immediately preceding the date of the criminal history check; or
2. Conviction of a misdemeanor involving abuse, neglect, assault, battery, or criminal sexual conduct, or involving fraud or theft against a vulnerable adult, within 10 years immediately preceding the criminal history check.

For additional information, please contact the EMS Department at **(248) 232-4232**.

Certificate

- Emergency Medical Services - Paramedic (EMS.PAR.CT) (http://catalog.oaklandcc.edu/programs/emergency-medical-services/paramedic-certificate/)

Certificate of Achievement

- Emergency Medical Services - EMT (EMS.EMT.CA) (http://catalog.oaklandcc.edu/programs/emergency-medical-services/emt-certificate/)

Emergency Medical Services Courses

EMS 1010 EMT I ..... 5 Credit Hours
Equivalent: EMT 1540
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS Orientation and placement into ENG 1510 or higher or successful completion of ENG 1510 or equivalent with a GPA of 2.0 or better.
Corequisite: EMS 1020 EMS 1100 and EMS 1200.
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
This course, in conjunction with EMS 1020, EMS 1100 and EMS 1200, is designed to teach the knowledge, skills, and appropriate behavior to prepare students for the National Registry Certification examinations which will enable them to obtain a Michigan Emergency Medical Technician (EMT) license. The focus of this particular course is related to the medical aspect of patient care. Students will be under the direct supervision of a licensed EMS Instructor-Coordinator. Successful completion of this course requires the student to pass a written and practical examination consistent with State and National standards. This class contains an on-line component. BILLABLE CONTACT HOURS: 6

EMS 1020 EMT II ..... 5 Credit Hours
Equivalent: EMT 1550
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS Orientation and placement into ENG 1510 or higher or successful completion of ENG 1510 or equivalent with a GPA of 2.0 or better.
Corequisite: EMS 1010 EMS 1100 and EMS 1200 (Recommended).
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
This course, in conjunction with EMS 1010, EMS 1100 and EMS 1200, is designed to teach the knowledge, skills, and appropriate behavior to prepare students for the National Registry Certification examinations which will enable them to obtain a Michigan Emergency Medical Technician (EMT) license. The focus of this particular course is related to the trauma aspect of patient care. Students will be under the direct supervision of a licensed EMS Instructor-Coordinator. Successful completion of this course requires the student to pass both written and practical skill examinations consistent with state and national standards. This class contains an on-line component. BILLABLE CONTACT HOURS: 6

EMS 1100 Basic EMT Clinical ..... 1 Credit Hour
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS Orientation
Corequisite: EMS 1010 EMS 1020 and EMS 1200.
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
This course, in conjunction with EMS 1010, EMS 1100 and EMS 1200, is designed to teach the knowledge, skills, and appropriate behavior to prepare students for the National Registry Certification examinations which will enable them to obtain a Michigan Emergency Medical Technician (EMT) license. The focus of this particular course is related to the trauma aspect of patient care. Students will be under the direct supervision of a licensed EMS Instructor-Coordinator. Successful completion of this course requires the student to pass both written and practical skill examinations consistent with state and national standards. This class contains an on-line component. BILLABLE CONTACT HOURS: 1

EMS 1200 Rescue and Extrication ..... 1 Credit Hour
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS Orientation.
Corequisite: EMS 1010 EMS 1020 and EMS 1100.
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
The course emphasizes the methods of gaining entry, freeing, and removing an injured and trapped individual from a vehicle without causing further harm. The class is taught by state certified instructors utilizing multiple methods of instruction. The second day is scheduled at an appropriate outdoor site and includes actual hands-on experience with light and medium extrication tools. This course is intended to be taken as part of the Basic EMT Program. BILLABLE CONTACT HOURS: 1

EMS 2001 Basic Skills Competencies for Paramedic ..... 1 Credit Hour
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS 1010 EMS 1020 and EMS 1100 or consent of EMS Department, placement into ENG 1510 or successful completion of ENG 1510 or equivalent with a GPA of 2.0 or better.
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution. Ems Math Requirement:Minimum placement into MAT-1100 within the past two years.
The emphasis of this course is to confirm and document competency for all basic EMT psychomotor skills according to National Registry skills sheets. This must be completed prior to performing any higher level skills. BILLABLE CONTACT HOURS: 2

EMS 2005 Paramedic I Clinical ..... 3 Credit Hours
Equivalent: EMS 1400 | EMS 1400
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS 1010 EMS 1020 and EMS 1100 or consent of EMS Department; and EMS 2001. Placement into ENG 1510 or successful completion of ENG 1510 (or equivalent) with a GPA of 2.0 or better. EMS Math Requirement:Minimum placement into MAT-1100 within the past two years.
Corequisite: EMS 2020 and EMS 2025
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
This course is designed to provide the student with hospital and ambulance skill experience beyond the minimum 60 hours provided in EMS 1100. Students will continue to acquire a working knowledge of practices and procedures in the field of emergency care, and experience other areas of health care in other hospital and pre-hospital settings. Through hands-on training, the student will complete specified performance objectives to the satisfaction of their hospital/ambulance evaluator. BILLABLE CONTACT HOURS: 3

EMS 2010 EMS Communications ..... 2 Credit Hours
Equivalent: EMS 1500 | EMS 1500
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS 1010 EMS 1020 and EMS 1100 or consent of EMS Department. Placement into ENG 1510 or successful completion of ENG 1510 or equivalent with a GPA of 2.0 or better and minimum math placement into MAT 1100 within the past 2 years. EMS Math Requirement:Minimum math placement into MAT-1100 within the past two years.
Pre- or Corequisite: EMS 2020 and EMS 2025
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
This course is designed to provide the student with the techniques of communications within the emergency medical system including general communication skills, medical terminology, technical report writing, written verbal and radio communications using classroom lectures, situation drills and on-site visitation of appropriate functioning communications centers when available. BILLABLE CONTACT HOURS: 2

EMS 2020 Paramedic I Lecture ..... 4 Credit Hours
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS 2001
Pre- or Corequisite: EMS 2005 EMS 2025 and BIO 1650 (or BIO 2640 for those taking the BIO 2630 and BIO 2640 sequence).
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
This course is designed to provide Emergency Medical Technicians (EMTs) the knowledge necessary to efficiently function within a limited advanced life support system and/or to continue on to Paramedic courses. Students are expected to attend weekly sessions in the classroom under the direct supervision of a licensed EMS Instructor-Coordinator for lecture and didactic testing. The advanced life support skills of intravenous therapy and endotracheal intubation as they relate to emergency field use are discussed. Additionally, this course will enable the student to upgrade and refine their EMT knowledge. This class also contains an online component. BILLABLE CONTACT HOURS: 4

EMS 2025 Paramedic I Lab ..... 1 Credit Hour
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS 2001
Pre- or Corequisite: EMS 2005, EMS 2020 and BIO 1650 (or BIO 2640 for those taking the BIO 2630 and BIO 2640 sequence).
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
This course is designed to provide Emergency Medical Technicians (EMTs) the practical skills necessary for the students to perform within a limited advanced life support system and/or to continue on to Paramedic courses. Students are expected to attend weekly sessions in the lab under the direct supervision of a licensed EMS Instructor-Coordinator for hands-on applications and practical testing. The advanced life support skills of intravenous therapy and endotracheal intubation as they relate to emergency field use are introduced. Additionally, this course will enable the student to upgrade and refine their EMT skills. This class also contains an online component. BILLABLE CONTACT HOURS: 2

EMS 2100 Paramedic II Clinical ..... 4 Credit Hours
Equivalent: EMT 2400
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS 2020 and EMS 2025
Corequisite: EMS 2220 EMS 2225 EMS 2320 and EMS 2325
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
This course is designed to provide the student with opportunities in a clinical setting within the hospital and EMS system. Focus will be on performing IV therapy and medication administration on actual patients to obtain competency. Specific criteria and documentation will be required in order to successfully complete this level of clinical experience. Student will be supervised and evaluated by professional personnel who will facilitate verification of competency. BILLABLE CONTACT HOURS: 4

EMS 2220 Paramedic II Lecture ..... 4 Credit Hours
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS 2005 EMS 2020 EMS 2025 and BIO 1650 or BIO 2630
Corequisite: EMS 2100 and EMS 2225 or BIO 2640 for those taking the BIO 2630 and BIO 2640 sequence.
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
The emphasis of this course is pharmacology and drug therapy as they relate to advanced pre-hospital emergency care. Aspects of drug administration such as mechanisms of action, indications, contraindications, metabolism, excretion, and side effects of a wide range of drugs will be explored. In addition, paramedic care of the medical patient including appropriate advanced level interventions will be discussed. This class contains an online component. BILLABLE CONTACT HOURS: 4

EMS 2225 Paramedic II Lab ..... 1 Credit Hour
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS 2005 EMS 2020 EMS 2025 and BIO 1650 or BIO 2630
Corequisite: EMS 2100 and EMS 2220 or BIO 2640 for those taking the BIO 2630 and BIO 2640 sequence.
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
The emphasis of this course is skills proficiency in pharmacology and drug therapy as they relate to advanced pre-hospital emergency care. Aspects of drug administration such as mechanisms of action, indications, contraindications, metabolism, excretion, and side effects of a wide range of drugs will be reinforced during practical application. In addition, paramedic care of the medical patient including appropriate advanced level interventions will be practiced. This class contains an online component. BILLABLE CONTACT HOURS: 2

EMS 2320 Paramedic III Lecture .....4 Credit Hours
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS 2005 EMS 2020 EMS 2025 and BIO 1650 or BIO 2630
Pre- or Corequisite: EMS 2100 and EMS 2325 or BIO 2640 for those taking the BIO 2630 and BIO 2640 sequence.
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
The emphasis of this course is on teaching the principles of the electrocardiogram, the cardiac conduction system and the techniques of interpretation and treatment of cardiac dysrhythmias. In addition, paramedic care of the trauma patient including appropriate advanced level interventions will be discussed. This course is designed to provide the paramedic student with a body of knowledge to assist in preparing them for the National Registry Paramedic Certification examination and enable them to assess and treat acutely ill and seriously injured patients under the control and supervision of a medical control physician. This class contains an online component. BILLABLE CONTACT HOURS: 4

EMS 2325 Paramedic III Lab ..... 1 Credit Hour
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS 2005 EMS 2020 EMS 2025 and BIO 1650 or BIO 2630
Pre- or Corequisite: EMS 2100 and EMS 2320 or BIO 2640 for those taking the BIO 2630 and BIO 2640 sequence.
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
The emphasis of this course is on the ability to interpret and apply correct treatment of cardiac dysrhythmias. In addition, paramedic care of the trauma patient including appropriate advanced level interventions will be practiced. This course is designed to provide the paramedic student with the skills to assist in preparing them for the National Registry Paramedic Certification examination and enable them to assess and treat acutely ill and seriously injured patients under the control and supervision of a medical control physician. This class contains an online component. BILLABLE CONTACT HOURS: 2

EMS 2450 Paramedic Internship .....2 Credit Hours
ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.
Prerequisite: EMS 2005 EMS 2100 EMS 2220 EMS 2225 EMS 2320 and EMS 2325
Corequisite: EMS 2600
Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.
This course is designed to provide a means for paramedic students to experience actual clinical settings where they will function as the team leader and have team leader expectations. Students entering this stage of their training must be fully competent in their paramedic skills. Preceptors will monitor each student's progress through this experience and communicate directly with the course instructor. Final completion of this course and competency will be determined by the EMS Program Director and the Program Medical Director. Successful completion of this course will allow the student to apply for the National Registry certification exams. BILLABLE CONTACT HOURS: 2

EMS 2600 National Registry Paramedic Exam Prep .....2 Credit Hours

ESL Placement Level: Placement into ENG 1510, ENG 1510E, or ENG 1510S, or placement into ESL 2520 or completion of ESL 2520. ENG transfer credit will also satisfy this prerequisite.

Prerequisite: EMS 2320 and EMS 2325 or consent of instructor.

Note: Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course prepares prospective paramedic student candidates for the National Registry Paramedic practical skills examination. The 6 skill stations tested at the NR exam will be practiced until mastery is achieved and students will complete a performance examination of each skill modeling the National Registry practical exam. This course is a requirement for completion of the OCC paramedic program or may be a stand-alone course for candidates who have completed their training outside of OCC and are preparing to take the National Registry practical exam. BILLABLE CONTACT HOURS: 2