Emergency Medical Services (EMS)

EMS 1010  EMT I ........................................... 5 Credit Hours
Equivalent: EMT 1540
English/ESL Placement: Placement into ENG 1510.
Prerequisite: EMT Orientation and placement into ENG 1510 or higher 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.
Corequisite: EMS 1020 EMS 1100 and EMS 1200.
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
English/ESL Placement: Placement into ENG 1510.
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.
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.
Corequisite: EMS 1010 EMS 1100 and EMS 1200 (Recommended).
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
English/ESL Placement: Placement into ENG 1510.
Prerequisite: EMS Orientation
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.
Corequisite: EMS 1010 EMS 1020 and EMS 1200.
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 1200  Rescue and Extrication ............................ 1 Credit Hour
English/ESL Placement: Placement into ENG 1510.
Prerequisite: EMS Orientation.
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.
Corequisite: EMS 1010 EMS 1020 and EMS 1100.
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 1400  EMT Extended Clinical ............................. 3 Credit Hours
English/ESL Placement: Placement into ENG 1510.
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 GPA of 2.0 or better and minimum math placement into MAT 1100 within the past 2 years.
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 1500  Emergency Medical Communications ........2 Credit Hours

English/ESL Placement: Placement into ENG 1510.
Prerequisite: EMS 1020 or EMS Orientation.
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.
Corequisite: EMS 1400
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 2000  Paramedic I Including IV and Intubation ..........5 Credit Hours
Equivalent: EMT 2601
English/ESL Placement: Placement into ENG 1510.
Pre- or Corequisite: EMS 1400 and BIO 1650 (or BIO 2630 for those taking the BIO 2630 and BIO 2640 sequence.)
This course is designed to provide Emergency Medical Technicians (EMTs) the knowledge and 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 classroom under the direct supervision of a licensed EMS Instructor/Coordinator for lecture, testing, and hands-on applications. 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: 6

EMS 2100  Paramedic I Clinical ................................2 Credit Hours
Equivalent: EMT 2400
English/ESL Placement: Placement into ENG 1510.
Corequisite: EMS 2000
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 ET intubations 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: 2

EMS 2200  Paramedic II Including Pharmacology ..........5 Credit Hours
Equivalent: EMT 2611
English/ESL Placement: Placement into ENG 1510.
Prerequisite: EMS 2000 and BIO 1650 or BIO 2630
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.
Pre- or Corequisite: EMS 2100 or BIO 2640 for those taking the BIO 2630 and BIO 2640 sequence.
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: 6

EMS 2300  Paramedic III Including Cardiology ..........5 Credit Hours
Equivalent: EMT 2621, EMT 2620
English/ESL Placement: Placement into ENG 1510.
Prerequisite: EMS 2000 and BIO 1650 or BIO 2630.
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.
Pre- or Corequisite: EMS 2100 or BIO 2640 for those taking the BIO 2630 and BIO 2640 sequence.
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 and 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: 6

EMS 2400  Paramedic II Clinical / Internship I ..........4 Credit Hours
English/ESL Placement: Placement into ENG 1510.
Prerequisite: EMS 2300
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 paramedic student with hospital and advanced life support unit experience to perform skills learned in the paramedic courses. Hospital experience will include emergency room, operating room, post-anesthesia recovery, and critical care areas for both adult and pediatric patients. In addition, students will be placed in labor and delivery, psychiatric care areas, triage, morgue, and on paramedic ambulances including fire department units. Competency of skills will be evaluated by clinical preceptors and the course instructor to assure readiness for Internship courses. This course contains an online component. BILLABLE CONTACT HOURS: 4

EMS 2500  Paramedic III Internship II .......................3 Credit Hours
English/ESL Placement: Placement into ENG 1510.
Prerequisite: EMS 2400
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 a team member 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 conclude the paramedic program and allow the student to apply for the National Registry certification exams. BILLABLE CONTACT HOURS: 3
EMS 2600  National Registry Paramedic Exam Prep  2 Credit Hours  

**English/ESL Placement:** Placement into ENG 1510.  
**Prerequisite:** EMS 2300 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 12 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

-------

EMS 2700  Advanced Cardiac Life Support (ACLS) Provider  2 Credit Hours  

**Equivalent:** EMT 2700  
**English/ESL Placement:** Placement into ENG 1510.  
**Prerequisite:** Current certification in Basic Life Support (Healthcare Provider) according to AHA standards.  

This course is designed to teach the essential skills of Advanced Cardiac Life Support according to current standards, but at a slower pace for students who are not involved with cardiac emergencies on a regular basis. Students are strongly encouraged to have a background in medical, nursing, and/or paramedic fields. A basic understanding of interpreting EKGs is also encouraged. Basic Life Support, advanced airway maneuvers, defibrillation, cardioversion, cardiac pacing, pharmacological therapy, and algorithm proficiency are all components of the course. Successful completion will result in ACLS certification. BILLABLE CONTACT HOURS: 2