

What's New

New Pre-Requisite Requirements for the Health Sciences Program

There are new pre-requisite requirements for students applying to the Health Sciences Programs effective Fall 2008. Applicants for the Fall 2008 Health Science programs must meet the following requirements before applying:

- You must submit an application for general admission to Montgomery College along with a \$25 non-refundable fee (if not previously admitted.)
- Minimum requirements needed: EN 101 assessment level or prior completion of EN 101/101A/102 or 109, MA 110 assessment level or prior completion of MA 100 or higher, BI 107, and for DMS applicants only, PH 010 or higher.
- Must have a minimum GPA of 2.50 for consideration. This GPA is based on your most recent 24 college credits earned.

*You are strongly encouraged to attend an Information Session for your area(s) of interest.

Applications and official transcripts received after the deadlines are not accepted.

Application deadlines are:

FALL 2008 Deadline: April 1, 2008
SPRING 2009 Deadline: July 1, 2008

For more information on admission requirements please visit: <http://www.montgomerycollege.edu/admissions/StudentForms/healthsciappl.pdf>

New Honors Course Effective Fall 2008

AC 216HC ETHICS/PROFESSIONAL ACCTNG-HON 3 semester hours
AC-Accounting

Course Description: Provides an examination of the major ethical issues encountered by accountants in the business environment. The AICPA code of Professional Conduct and the reasoning, philosophy, and application of that code are examined. PREREQUISITES: Completion of at least 12 college credits, a 3.2 grade point average or higher, a grade of A or B in EN 101 or EN 101A, and AC 202. Three hours each week.

Two New Surgical Technology Courses Effective Summer 2008

SG 100 INTRO SURGICAL TECHNOLOGY 4 semester hours
SG-Surgical Technology

Course Description: Introduces the skills and techniques needed to perform as a Surgical Technologist in the operating room. Surgical instrumentation and basic pharmacology for the Surgical Technologist are included. (T only) (CE) PREREQUISITES: Admission to the surgical technology program or consent of program coordinator, and MA 110. PRE- or COREQUISITE: BI 204. Four hours lecture, four hours laboratory each week.

SG 220 SURGICAL TECHNOLOGY REVIEW 2 semester hours
SG-Surgical Technology

Course Description: On-campus review designed to facilitate the graduate's entry into the career area of surgical technology. Based on material from the core curriculum for Surgical Technology, the course's topics include resume writing, construction of a portfolio, job interviewing, national certification examination preparation and strategies, and comprehensive review of content specification of the certifying exam. (T only) PREREQUISITE: Graduate of accredited surgical technology program or consent of program coordinator. Two hours lecture each week.

New Paramedic Courses Effective Summer 2008

PM 101 EMERGENCY MEDICAL TECH - BASIC 7 semester hours
PM-Paramedic

Course Description: Covers the minimum level of certification for ambulance personnel and is a prerequisite for admission into the Paramedic curriculum. Students learn to properly perform the various skills utilized by emergency medical technician level pre-hospital care providers in the care of sick or injured persons. Because of national and state requirements, all classes have mandatory attendance. This course prepares the student for the Maryland and National Registry EMT certification written and practical examinations and follows the guidelines established for EMT training by the DOT/NHTSA national standard curriculum. Participation in the clinical component of this course requires proof of a negative TB test and a criminal background investigation.

All students must maintain a 70 percent average and can score no lower than 60 percent on any of the assessments. Failure to maintain a 70 percent average will result in the student being dropped from the course. (T only) Assessment levels: EN 101/101A, MA 091, RD 120. Four hours lecture, nine hours laboratory each week.

PM 200 INTRO TO PRE-HOSPITAL ENVIRON 2 semester hours
PM-Paramedic

Course Description: Initial course in the Paramedic Program. This course includes roles and responsibilities, well being of the paramedic, illness/injury prevention, medical/legal issues, ethics, communications, and therapeutic communications. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic Program, current EMT-B certification, current Healthcare Provider CPR certification, BI 204, and BI 205; or consent of department. Assessment levels: EN 101/101A, MA 110 or higher. Two hours lecture each week.

PM 201 PATIENT ASSESSMENT 3 semester hours
PM-Paramedic

Course Description: Instruction and practice in history taking, techniques of physical examination, patient assessment, clinical decision making, documentation. The course includes an overview of pathophysiology. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic Program, current Maryland EMT-B certification, current Healthcare Provider CPR certification, a grade of C or better in PM 200, or consent of department. One hour lecture, four hours laboratory each week.

PM 202 PHARMACOLOGY 2 semester hours
PM-Paramedic

Course Description: Didactic and practical instruction in venous access and medication administration. Course provides an overview of pharmacology. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic Program, current Maryland EMT-B certification, current Healthcare Provider CPR certification, a grade of C or better in PM 200, or consent of department. COREQUISITE: PM 221. One hour lecture, two hours laboratory each week.

PM 203 AIRWAY MANAGEMENT 3 semester hours
PM-Paramedic

Course Description: Instruction on advanced airway management and ventilation skills. The course covers management of pulmonary emergencies, including allergies and anaphylaxis. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic Program, current Maryland EMT-B certification, current Healthcare Provider CPR certification, a grade of C or better in PM 200, or consent of department. COREQUISITE: PM 221. Two hours lecture, two hours laboratory each week.

PM 204 TRAUMA 3 semester hours
PM-Paramedic

Course Description: Review of trauma systems and mechanisms of injury. The course covers trauma systems and mechanism of injury, hemorrhage, shock and burns; soft tissue, head and face, spinal, thoracic, abdominal, musculoskeletal, pediatric, geriatric and obstetric trauma. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic Program; current Maryland EMT-B certification; current Healthcare Provider CPR certification, a grade of C or better in PM 201, PM 202, PM 203, and PM 221; or consent of department. COREQUISITE: PM 222. One hour lecture, four hours laboratory each week.

PM 205 MEDICAL EMERGENCIES I 2 semester hours
PM-Paramedic

Course Description: A study of environmental conditions, infectious and communicable diseases, hematology, neurology and toxicology. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic Program; current Maryland EMT-B certification; current Healthcare Provider CPR certification; a grade of C or better in PM 201, PM 202, PM 203, and PM 221; or consent of department. COREQUISITE: PM 223. Two hours lecture each week.

PM 206 MEDICAL EMERGENCIES II 5 semester hours
PM-Paramedic

Course Description: Provides instruction on specific pathophysiology, assessment, and

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management of patients with cardiovascular emergencies. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program; current Maryland EMT-B certification; current Healthcare Provider CPR certification; a grade of C or better in PM 201, PM 202, PM 203, and PM 221; or consent of department. COREQUISITE: PM 223. Three hours lecture, four hours laboratory each week.

PM 207 MEDICAL EMERGENCIES III 2 semester hours
PM-Paramedic

Course Description: Focuses on endocrinology, gastroenterology, urology/renal, behavioral and psychiatric disorders. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program; current Maryland EMT-B certification; current Healthcare Provider CPR certification; a grade of C or better in PM 201, PM 202, PM 203, and PM 221; or consent of department. COREQUISITE: PM 224. Two hours lecture each week.

PM 208 MEDICAL EMERGENCIES IV 4 semester hours
PM-Paramedic

Course Description: Focuses on the management of conditions related to gynecology, obstetrics, neonatology, pediatrics, geriatrics, abuse and assault, patients with special challenges, acute interventions for chronic care patients, and life span development. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program; current Maryland EMT-B certification; current Healthcare Provider CPR certification; a grade of C or better in PM 201, PM 202, PM 203, and PM 221; or consent of department. COREQUISITE: PM 224. Three hours lecture, two hours laboratory each week.

PM 209 EMS OPERATIONS 3 semester hours
PM-Paramedic

Course Description: Covers ambulance operations, medical incident command, rescue awareness and operations, crime scene awareness, and hazardous materials awareness. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITE: Consent of department. Six hours laboratory each week.

PM 210 ASSESSMENT BASED MANAGEMENT 2 semester hours
PM-Paramedic

Course Description: Provides an opportunity to synthesize cognitive, affective and psychomotor skills within a variety of practical patient care assessment and treatment scenarios. The course includes preparation for the National Registry written and practical examinations. Paramedic students are required to achieve a grade of C or better in each Paramedic course in order to continue in the program. (T only) PREREQUISITES: A grade of C or better in PM 209 and consent of department. Four hours laboratory each week.

PM 211 SEMINAR IN PARAMEDICINE 1 semester hour
PM-Paramedic

Course Description: On-campus seminar addressing issues in EMS, specifically paramedicine. Topics may include problems, trends, programs, and policy issues in emergency medical services. The course includes a research paper in an EMS field. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITE: Consent of department. One hour lecture each week.

PM 221 PARAMEDIC CLINICAL I 1 semester hour
PM-Paramedic

Course Description: First of five (5) clinical programs to provide the paramedic student with the necessary patient contact and care necessary to success in the field of ALS EMS. This course focuses on vascular access, medication administration, airway management, and emergency department care of patients. Students practice their approved skills under their field preceptor. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program, current Maryland EMT-B certification, current Healthcare Provider CPR certification. COREQUISITES: PM 202 and PM 203; or consent of department. 125 hours clinical practice at affiliated facilities.

PM 222 PARAMEDIC CLINICAL II 1 semester hour
PM-Paramedic

Course Description: Second of five (5) clinical programs to provide the paramedic student with the necessary patient contact and care necessary to success in field of ALS

EMS. This course focuses on trauma center and emergency department care of patients. Students practice their approved skills under their preceptor. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the paramedic program; current Maryland EMT-B certification, current Healthcare Provider CPR certification; a grade of C or better in PM 201, PM 202, PM 203, and PM 221; or consent of department. COREQUISITE: PM 204. 125 hours clinical practice at affiliated facilities.

PM 223 PARAMEDIC CLINICAL III 1 semester hour
PM-Paramedic

Course Description: Third of five (5) clinical programs to provide the paramedic student with the necessary patient contact and care necessary to success in the field of ALS EMS. The course focuses on emergency department care of patients with an emphasis on cardiovascular emergencies. Students practice their approved skills under their field preceptor. Paramedic students are required to achieve a grade of C or better in each Paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program; current Maryland EMT-B certification; current Healthcare Provider CPR certification; a grade of C or better in PM 201, PM 202, PM 203, and PM 221; or consent of department. COREQUISITES: PM 205 and PM 206. 125 hours clinical practice at affiliated facilities.

PM 224 PARAMEDIC CLINICAL IV 1 semester hour
PM-Paramedic

Course Description: Fourth of five (5) clinical programs to provide the paramedic student with the necessary patient contact and care necessary to success in the field of ALS EMS. The course focuses on behavioral emergencies, pediatrics, and obstetrics. Students practice their approved skills under their field preceptor. Paramedic students are required to achieve a grade of C or better in each Paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program; current Maryland EMT-B certification; current Healthcare Provider CPR certification; a grade of C or better in PM 201, PM 202, PM 203, and PM 221; or consent of department. COREQUISITES: PM 207 and PM 208. 125 hours of clinical practice affiliated facilities.

PM 225 PARAMEDIC CLINICAL V 1 semester hour
PM-Paramedic

Course Description: Fifth of five (5) clinical programs to provide the paramedic student with the necessary patient contact and care necessary to success in the field of ALS EMS. The course focuses on patient management. Students practice their approved skills under their field preceptor. Paramedic students are required to achieve a grade of C or better in each Paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program; current Maryland EMT-B certification; current Healthcare Provider CPR certification; a grade of C or better in PM 204, PM 205, PM 206, PM 207, PM 208, PM 222, PM 223, PM 224; or consent of department. COREQUISITE: PM 210. 125 hours clinical practice at affiliated facilities.

PM 250 EMT-I TO PARAMEDIC BRIDGE I 5 semester hours
PM-Paramedic

Course Description: Course covers bridge material from National Standard Curriculum EMT-i to EMT-P (paramedic). The course includes communications, history taking, physical examination, patient assessment, clinical decision making, documentation, pathophysiology, pharmacology, airway management, pulmonary emergencies, trauma, shock, and burns. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program, current Maryland CRT-I license, current Healthcare Provider CPR certification. Pre- or COREQUISITE: A grade of C or better in BI 204 and BI 205, or consent of department. COREQUISITE: PM 255. Assessment levels: EN 101/101A, MA 110 or higher. Three hours lecture, four hours laboratory each week.

PM 251 EMT-I TO PARAMEDIC BRIDGE II 5 semester hours
PM-Paramedic

Course Description: Covers bridge material from National Standard Curriculum EMT-I to EMT-P (paramedic). The course includes environmental conditions, infectious diseases, hematology, neurology, toxicology, cardiology, endocrinology, gastroenterology, nephrology, behavioral and psychiatric disorders, management of conditions related to gynecology, obstetrics, neonatology, pediatrics, geriatrics, abuse and assault, special challenges, acute interventions for chronic care patients. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program; current Maryland CRT-I license; current Healthcare Provider CPR certification; a grade of C or better in PM 250; or consent of department. COREQUISITE: PM 256. Three hours lecture, four hours laboratory each week.

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PM 255 EMT-I TO PARAMEDIC CLNCL I 1 semester hour
PM-Paramedic

Course Description: Covers part of the clinical time needed for the EMT-I advancing to EMT-Paramedic. The course focuses on communications, history taking, physical examination, patient assessment, clinical decision making, documentation, pathophysiology, pharmacology, airway management, pulmonary emergencies, trauma, shock, and burns. Students participate in clinical time on the medic unit at their affiliated agency. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program, current Maryland CRT-I certification, current Healthcare Provider CPR certification. COREQUISITE: PM 250, or consent of department. 125 hours clinical practice at affiliated facilities.

PM 256 EMT-I TO PARAMEDIC CLNCL II 1 semester hour
PM-Paramedic

Course Description: Covers part of the clinical time needed for the EMT-I advancing to EMT-Paramedic. The course focuses on environmental conditions, infectious diseases, hematology, neurology, toxicology, cardiology, endocrinology, gastroenterology, nephrology, behavioral and psychiatric disorders, management of conditions related to gynecology, obstetrics, neonatology, pediatrics, geriatrics, abuse and assault, special challenges, acute interventions for chronic care patients. Students continue medic unit time at their affiliated agency. Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program, current Maryland CRT-I certification, current Healthcare Provider CPR certification, or consent of department. COREQUISITE: PM 251. 125 hours clinical practice at affiliated facilities.

PM 257 EMT-I TO PARAMEDIC CLNCL III 1 semester hour
PM-Paramedic

Course Description: Covers part of the clinical time needed for the EMT-I advancing to EMT-Paramedic. The course focuses on patient management. Students continue medic unit time at their affiliated agency, Paramedic students are required to achieve a grade of C or better in each paramedic course in order to continue in the program. (T only) PREREQUISITES: Admission to the Paramedic program, current Maryland CRT-I certification, current Healthcare Provider CPR certification, a grade of C or better in PM 250, PM 251, PM 255, and PM 256; or consent of department. COREQUISITE: PM 210. 125 hours clinical practice at affiliated facilities.

New Polosomnography Courses Effective Summer 2008

PO 101 A & P FOR POLYSOMNOGRAPHY 4 semester hours
PO-Polysomnography

Course Description: Detailed study of the integrated structure and function of the cardiopulmonary and neuromuscular systems as they relate to sleep pathology. The origin and interpretation of the electrical signals generated throughout the body that reflect states of awareness and sleep are introduced. Structural and physiological control of breathing and physiological manifestations of respiratory disorders that affect sleep are discussed. (T only) PRE- or COREQUISITES: CA 120, HI 126, PY 102 and consent of department. Three hours lecture, three hours laboratory each week.

PO 102 INTRO TO POLYSOMNOGRAPHY 3 semester hours
PO-Polysomnography

Course Description: An introduction to the profession of sleep medicine and the roles and responsibilities of the polysomnographic technologist. Therapeutic communication skills, patient assessment and legal/ethical considerations of medical records and patient care are studied from a multicultural perspective. Evidence based practice models are introduced. (T only) PREREQUISITES: PO 101 and consent of department. COREQUISITES: PO 103, PO 104, and PO 105. Three hours lecture each week.

PO 103 SLEEP DISORDERS 3 semester hours
PO-Polysomnography

Course Description: A comprehensive student of sleep disorders inclusive of a comparison of the normal sleep architecture with that of the more common sleep and arousal disorders. Included are the relationships of physical and psychiatric disorders and the effects of various medications on sleep patterns and electrophysiological manifestations on the polysomnogram. (T only) PREREQUISITES: PO 101 and consent of department. COREQUISITES: PO 102, PO 104 and PO 105. Three hours lecture each week.

PO 104 POLYSOMNOGRAPHY I 3 semester hours
PO-Polysomnography

Course Description: An introduction to the theory and practice of polysomnography. Preparation of patients and equipment as well as equipment selection for the desired testing procedures will be discussed. Instrumentation and refinement of tracings via EEG, EOG, ECG and EMG will be introduced. (T only) PREREQUISITE: Consent of department. COREQUISITES: PO 102, PO 103 and PO 105. Two hours lecture, three hours laboratory each week.

PO 105 CLINICAL PRACTICUM I 3 semester hours
PO-Polysomnography

Course Description: A supervised introductory clinical practicum in area sleep laboratories. Students apply the concepts learned in PO 104 and other courses as they interview patients, explain procedures, attach polysomnography equipment to patients and perform basic polysomnographic studies under the watchful eyes of preceptors and faculty. (T only) PREREQUISITE: Consent of department. COREQUISITES: PO 102, PO 103 and PO 104. Nine hours practica each week.

PO 201 POLYSOMNOGRAPHY II 4 semester hours
PO-Polysomnography

Course Description: Advanced theory and practice of polysomnography. Includes advanced monitoring techniques such as bi-level PAP, parasomnia and seizure investigation. Emphasis is placed on obtaining and scoring a quality polysomnogram. (T only) PREREQUISITES: PO 104, PO 105 and consent of department. COREQUISITE: PO 202. Three hours lecture, three hours laboratory each week.

PO 202 CLINICAL PRACTICUM II 4 semester hours
PO-Polysomnography

Course Description: The final clinical course before completion of the certificate and application for licensure. Students have supervised practice in area sleep centers to practice the full realm of sleep diagnostic testing. (T only) PREREQUISITES: PO 104, PO 105 and consent of department. COREQUISITE: PO 201. Twelve hours practica each week.

Radiology News Effective Summer 2008

New Radiology Course

RT 120 CLINICAL RADIOLOGY II 3 semester hours
RT-Radiologic X-Ray Technology

Course Description: Provides the inexperienced first year Radiologic Technology student with the clinical instruction essential to the actual practice of radiography. Students attend an assigned clinical affiliate to observe and participate in the completion of radiographic exams on actual patients under the direct/indirect supervision of a professional radiographer. Students are exposed to radiographic examinations in the areas of general radiography, fluoroscopy, portable radiography, and support areas. The student develops technical, patient care, radiation protection, communication, and critical thinking skills. The student must complete 240 clinical hours to successfully complete this course. (T only) (CE) PREREQUISITE: RT 119 or consent of program coordinator. COREQUISITES: RT 101 and RT 111.

New Course Numbers and Course Number Changes

There are a large number of course number changes in the Radiology curriculum. Students of this program are encouraged to talk to an advisor regarding course number changes.

Course Revisions Effective summer 2008

DS 106 SUCCESS GROUP 2 semester hours
DS-Student Development

Interactive DL Courses in Graphic Design, Photography, and Broadcasting Effective Fall 2008

The Communication Arts Technologies department is offering three on-line, real-time, fully interactive courses in graphic design. These courses will feature full audio/video lectures and demonstrations, as well as question and answer sessions. If you can't be in the classroom, this is the next best thing. All students must have a high speed internet connection to participate. Courses offered in this format for fall 2008 are: GD 214, PG 214 and TR 129. Note: GD 214 and PG 214 are equivalent.