Amendment Number II to the 2022-2023 HCC Bulletin

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Revise Dual Enrollment of High School Students Admissions Requirements and Procedures – Academic Eligibility Section

ADMISSIONS REQUIREMENTS AND PROCEDURES
Academic Eligibility

A. Classified as a high school junior or senior.

B. Have a minimum 3.0 cumulative GPA on a 4.0 scale for high school work completed. (Prerequisites and co-requisites as stipulated in the Holmes bulletin will be followed.)

C. The student shall request that the high school principal send an official copy of his/her high school transcript to the Admissions and Records Office at Holmes Community College at least 10 days before the beginning of the enrollment period. A home-schooled student must submit a transcript prepared by a parent, guardian, or custodian with a signed, sworn affidavit.

D. The principal or counselor of the high school must submit an unconditional recommendation supporting the student's enrollment in the program. The unconditional recommendation should verify that the student is academically advanced and has the maturity and self-discipline required to benefit from this type of program. A home-schooled student must submit a parent's, legal guardian's, or custodian's written recommendation in the college's approved format.

Full credit will be granted but will be reserved until the student graduates from high school and submits a final high school transcript showing graduation or is admitted per admissions policy or as allowed by state law.

Special Condition Admission: Students may be considered for dual enrollment if they have a minimum ACT composite score of thirty (30) or the equivalent SAT score and have the required grade point average and recommendations prescribed above.

Page 130, 145, and 147
Add Program of Study "Business Pathway – Agribusiness"

Business Pathway
Agribusiness

First Year

First Semester		Second Semester	
English Composition I	ENG 1113	English Composition II	ENG 1123
College Algebra	MAT 1313	Comp Appl in Bus/Ind	BAD 2533
**Fine Arts Elective	3	Public Speaking I	SPT/COM 1113
*Humanities Elective	3	American National Gov't	PSC 1113
Natural Science w/Lab	4	Natural Science w/Lab	4
Total	16 hrs.	Total	16 hrs.

Second Year

First Semester		Second Semester	
Princ of Macroeconomics	ECO 2113	Princ of Microeconomics	ECO 2123
Legal Environ/Business	BAD 2413	Business Statistics	BAD 2323
Princ of Accounting I	ACC 2213	Princ of Accounting II	ACC 2223
Animal Science	AGR 1214	Plant Science	AGR 1313
Business Calculus I	MAT 1513	*Humanities Elective	3
Total	16 hrs.	Total	15 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**ART 1113, MUS 1113, or SPT 2233

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Page 132, 196, and 201
Add Program of Study "Science, Technology, and Mathematics Pathway – Agronomy"

Science, Technology, Engineering, & Mathematics (STEM) Pathway
Science, Technology, and Mathematics Pathway

Agronomy
(Soil Science, Crop Management, Turf Management)

First Year

First Semester		Second Semester	
English Composition I	ENG 1113	English Composition II	ENG 1123
Trigonometry	MAT 1323	*Fine Arts Elective	3
General Biology I	BIO 1134	General Biology II	BIO 1144
General Chemistry I	CHE 1214	General Chemistry II	CHE 1224
Spanish I	MFL 1213	Spanish II	MFL 1223
Total	17 hrs.	Total	17 hrs.

Second Year

First Semester		Second Semester	
Organic Chemistry I	CHE 2424	Microbiology	BIO 2924
General Physics I	PHY 2414	Public Speaking I	SPT/COM 1113
Princ of Accounting I	ACC 2213	Princ of Accounting II	ACC 2223
Princ of Macroeconomics	ECO 2113	Princ of Microeconomics	ECO 2123
Plant Science	AGR 1313	**Elective	3
Total	17 hrs.	Total	16 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

*ART 1113, MUS 1113, or SPT 2233

**Choose Elective based on concentration:
Soil Science: MAT 1613 Calculus I
Crop Management: MAT 1613 Calculus I or MAT/BAD 2323 Statistics/ Business Statistics
Turf Management: HPR 2213 First Aid & CPR, MAT/BAD 2323 Statistics/ Business Statistics, or SPT 2173 Interpersonal Communication

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

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Revise Program of Study "Health Science Programs Pathway – Emergency Medical Sciences – EMT, Advanced EMT and Paramedic Program"

Health Science Programs Pathway
Emergency Medical Sciences
EMT, Advanced EMT, and Paramedic Program

Emergency Medical Technician (EMT)

Emergency Medical Technician	EMS 1117
OR	
Emergency Medical Technician I	EMS 1163
& Emergency Medical Technician II	EMS 1174

Successful completion of the EMT course(s) qualifies a student to take the National Registry of Emergency Medical Technicians Exam and become state certified.

Advanced EMT

Prehospital Fundamental Concepts	EMS 1222
Prehospital Operations and Incident Management	EMS 1231
Prehospital Pharmacology	EMS 1262
Prehospital Respiratory Management	EMS 1362
Prehospital Medical Management	EMS 1373
Prehospital Trauma Management	EMS 1384
Prehospital Practicum I	EMS 1533
Total	17 hrs.

A Technical Certificate may be earned for Advanced EMT at this point.

Paramedic Program – Option 1

First Year

First Semester

Anatomy and Physiology II	BIO 2524
Prehospital Fundamental Concepts	EMS 1222
Prehospital Operations and Incident Management	EMS 1231
Prehospital Pharmacology	EMS 1262
Prehospital Respiratory Management	EMS 1362
Prehospital Medical Management	EMS 1373
Prehospital Trauma Management	EMS 1384
Prehospital Practicum I	EMS 1533
Total	21 hrs.

Second Semester

Prehospital Paramedic Pharmacology	EMS 1543
Prehospital Paramedic Respiratory Management	EMS 1552
Prehospital Paramedic Cardiology Management	EMS 2764
Prehospital Paramedic Medical Management	EMS 2773
Prehospital Practicum II	EMS 2784
Total	16 hrs.

Third Semester

Prehospital Paramedic Maternal, Child, and Special Patient Populations	EMS 2863
Prehospital Practicum III	EMS 2873
Prehospital Paramedic Care Capstone	EMS 2883
Prehospital Paramedic Practicum Capstone	EMS 2893
Total	**12 hrs.
Total	**49 hrs.**

A Technical Certificate may be earned for Paramedic – Option 1 at this point.

After successful completion of all First Semester coursework for Paramedic – Option 1, students are eligible to sit for the Advanced EMT National Registry Exam.

Second Year

First Semester

English Composition I	ENG 1113
English Composition II	ENG 1123
OR Public Speaking I	SPT 1113
OR Social/Behavioral Science	3
College Algebra	MAT 1313
OR Natural Science w/Lab	4
Humanities/Fine Arts	3
Social/Behavioral Science	3
Total	15/16 hrs.
Total for Paramedic Program – Option 1	**64/65 hrs.**

An AAS Degree may be earned for Paramedic – Option 1 at this point.

Paramedic Program – Option 2

Students must provide proof of a current, unencumbered Advanced EMT National Registry Certification to enter at Option 2. This will account for the 17 hours normally required in the Advanced EMT portion of the curriculum and facilitate the bridge to Paramedic – Option 2.

First Year

First Semester

Anatomy and Physiology II	BIO 2524
*Paramedic Bridge	EMS 1593
Total	**7 hrs.

*Prior to beginning Second Semester of the Paramedic Program – Option 2, a student must successfully complete Paramedic Bridge EMS 1593 with a C or better and have full verification of a current, unencumbered Advanced EMT National Registry Certification to progress.

Second Semester

Prehospital Paramedic Pharmacology	EMS 1543
Prehospital Paramedic Respiratory Management	EMS 1552
Prehospital Paramedic Cardiology Management	EMS 2764
Prehospital Paramedic Medical Management	EMS 2773
Prehospital Practicum II	EMS 2784
Total	16 hrs.

Third Semester

Prehospital Paramedic Maternal, Child, and Special Patient Populations	EMS 2863
Prehospital Practicum III	EMS 2873
Prehospital Paramedic Care Capstone	EMS 2883
Prehospital Paramedic Practicum Capstone	EMS 2893
Total	**12 hrs.
Total	**35 hrs.**

A Technical Certificate may be earned for Paramedic – Option 2 at this point.

Second Year

First Semester

English Composition I	ENG 1113
English Composition II	ENG 1123
OR Public Speaking I	SPT 1113
OR Social/Behavioral Science	3
College Algebra	MAT 1313
OR Natural Science w/Lab	4
Humanities/Fine Arts	3
Social/Behavioral Science	3
Total	15/16 hrs.
Total for Paramedic Program – Option 2	**50/51 hrs.**

An AAS Degree may be earned for Paramedic – Option 2 at this point.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

**Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

PROGRAM DESCRIPTION:

Emergency Medical Technician

Emergency Medical Technician is a one-semester instructional course that prepares the individual to provide basic emergency medical care and transportation for critical and emergency patients who access the emergency medical system. Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight, trained in airway management, communications, documentation, general pharmacology, hemorrhage control, ambulance operations, and splinting of adult, pediatric, and infant patients; and special care of patients exposed to heat, cold, radiation or contagious diseases. Students who complete the program are eligible to take the National Registry of Emergency Medical Technician Cognitive and Psychomotor Exams and become state certified.

Advanced Emergency Medical Technician

This course is designed to prepare the student to function competently as an Advanced Emergency Medical Technician as described in the National EMS Scope of Practice Model. The primary focus of EMS providers at this level takes the skill and knowledge set of the EMT and adds new skills and treatment modalities for critical and emergent patients who access the emergency medical system. The Advanced Emergency Medical Technician functions as part of a comprehensive EMS system and functions under medical oversight to provide emergency care at a higher level than EMT level providers but less than that provided by a Paramedic level provider.

A student must successfully complete the EMS course sequence listed before eligibility to test NREMT AEMT exam is granted.

Paramedic

The paramedic is an allied health professional whose primary focus is to provide advanced emergency medical care for critical and emergent patients who access the emergency medical system. This individual possesses the complex knowledge and skills necessary to provide patient care and transportation. Paramedics function as part of a comprehensive EMS response, under medical oversight. Paramedics perform interventions with the basic and advanced equipment typically found on an ambulance. The paramedic is a link from the scene into the health-care system. Paramedics possess the knowledge, skills, and attitudes consistent with the expectations of the public and the profession. Paramedics recognize that they are an essential component of the continuum of care and serve as links among health resources.

Paramedics strive to maintain high quality, reasonable cost health care by delivering patients directly to appropriate facilities. As an advocate for patients, paramedics seek to be proactive in affecting long-term health care by working in conjunction with other provider agencies, networks, and organizations. The emerging roles and responsibilities of the paramedic include public education, health promotion, and participation in injury and illness prevention programs. As the scope of service continues to expand, the paramedic will function as a facilitator of access to care, as well as an initial treatment provider. Paramedics are responsible and accountable to medical direction, the public, and their peers. Paramedics recognize the importance of research and actively participate in the design, development, evaluation, and publication of research. Paramedics seek to take part in life-long professional development and peer evaluation, and they assume an active role in professional and community organizations.

The paramedic training program is a postsecondary program drawing its students from individuals who already possess a valid EMT national certification. Classroom instruction is comprehensive including a working knowledge of all anatomy, physiology, and pathophysiological processes as well as competency-based instruction in assessment and management skills required for treatment of life-threatening problems in the adult, pediatric, and geriatric patient. Clinical internship requires participation in care of patients in a hospital emergency department that provides medical control to ALS providers in the field and, according to availability, CCU, ICU, labor and delivery suite, operating room, psychiatric ward, pediatric ward, and geriatric ward. Field internship is done with an ambulance service and/or rescue service providing advanced life support services to the community. This training program is sanctioned by the Mississippi State Board of Health.

Committee on Accreditation of Educational Programs
for the Emergency Medical Services Professions
8301 Lakeview Parkway
Suite 111-312
Rowlett, TX 75088
214-703-8445

Commission on Accreditation
of Allied Health Education Programs
9355 - 113th St. N, #7709
Seminole, FL 33775
727-210-2350

Emergency Medical Technician (EMT)
Admission Requirements

1. Must meet HCC admissions requirements.
2. Must be at least 18 years old or be a Dual Enrollment student.**
3. Must be a high school graduate or GED equivalent or be a dual enrollment student.
4. Must possess a valid American Heart Association BLS certification (students can become certified during the course).
5. Must be physically fit per a physical exam performed by a physician, nurse practitioner or physician assistant.
6. Must pass a background check from Mississippi State Department of Health as required by Mississippi Law (student will be responsible for the fee for the background check).
7. Must pass a drug test.
8. Must have negative TB test.
9. Must document proof of or obtain vaccinations to meet program requirements

**MUST BE 18 YEARS OF AGE TO TAKE THE NATIONAL REGISTRY EXAM.

Emergency Medical Sciences
Advanced EMT
Admission Requirements

1. Must meet HCC admissions requirements.
2. Must have a current National Registry EMT certification in good standing.
3. Must have or be able to obtain a current Mississippi EMT certification
4. Must be physically fit per physical exam performed by a physician, nurse practitioner or physician assistant.
5. Must pass a background check from Mississippi State Department of Health as required by Mississippi Law (student will be responsible for the fee for the background check).
6. Must pass a drug test.
7. Must have a negative TB test.
8. Must document proof of or obtain vaccinations to meet program requirements.

Emergency Medical Sciences
Paramedic
Admission Requirements

1. Must meet HCC admissions requirements.
2. Must have a current National Registry EMT or AEMT certification in good standing.
3. Must have or be able to obtain a current Mississippi EMT or AEMT certification.
4. Must have completed 4 of the required 8 semester hours of Anatomy and Physiology with lab from an accredited post-secondary school with a grade of C or better prior to enrollment; A&P II is in the curriculum for any students who have completed only A&P I prior to enrollment; A&P I and II must each be completed with a grade of C or better.
5. Students enrolling in Option 2 of the Paramedic Program must successfully complete EMS 1593 Paramedic Bridge with a grade of C or better to enter the second semester of the paramedic program.
6. Must be physically fit per physical exam performed by a physician, nurse practitioner or physician assistant.
7. Must pass a background check from Mississippi State Department of Health as required by Mississippi Law (student will be responsible for the fee for the background check).
8. Must pass a drug test.
9. Must have a negative TB test.
10. Must document proof of or obtain vaccinations to meet program requirements.

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Revise "Emergency Medical Sciences" course listing section. Courses were added, deleted, and prerequisite removed. Section should be listed as follows.

EMERGENCY MEDICAL SCIENCES-EMT, AEMT, PARAMEDIC, CRITICAL CARE PARAMEDIC

EMS 1117 – Emergency Medical Technician (EMT).
This course includes responsibilities of the EMT during each phase of an ambulance run, patient assessment, emergency medical conditions, appropriate emergency care, and appropriate procedures for transporting patients. Four hours lecture. Four hours laboratory. Three hours clinical. Seven hours credit.

EMS 1142 – Foundation of Paramedic Lecture.
This course consists includes a comprehensive review of the knowledge base and skill set of the Emergency Medical Technician. History of EMS, Well-Being of the EMT, medical legal issues, communication and documentation will be expanded to the role of the paramedic. This course includes the theory related to intravenous/intraosseous access, medication administration, patient assessment, and introductory pharmacological calculations. Two hours lecture. Two hours credit.

EMS 1151 – Foundations of Paramedic Lab.
A laboratory experience designed to give psychomotor experience to the theoretical concepts developed in the lecture. Two hours laboratory. One hour credit.

EMS 1163 – Emergency Medical Technician I (EMT).
An introductory course in the foundational concepts of the Emergency Medical Services. Lecture will include topics in the history of EMS, well-being of the EMT, medical-legal issues, communication, documentation, A&P, Pathophysiology, life-span development, patient assessment, and vital signs. Laboratory experience will include training in patient assessment and vital signs. Two hours lecture. Two hours laboratory. Three hours credit.

EMS 1174 – Emergency Medical Technician II (EMT) (Prerequisite EMS 1163).
A continuation of the content in EMS 1163 focusing on the incorporation of foundational concepts toward the recognition, stabilization, and transport of patients of all age ranges experiencing medical and traumatic emergencies. Ambulance operations and special considerations will also be discussed. Two hours lecture. Two hours laboratory. Three hours clinical. Four hours credit.

EMS 1222 – Prehospital Fundamental Concepts.
This course includes a comprehensive review of the knowledge base and skills for the prehospital provider. The lecture component expands previous knowledge of foundational principles of EMS to the level of the advanced clinician. This course also seeks to establish best-practice models in concepts such as documentation, research, and personal well-being. A laboratory experience is included in this course to provide a more robust learning experience in topics such as medical, legal, and ethical issues. One hour lecture. Two hours laboratory. Two hours credit.

EMS 1231 – Prehospital Operations and Incident Management.
This course expands knowledge of operational roles and responsibilities of the advanced prehospital provider. This course is lecture only and is designed to ensure the safety of personnel, patient, and public safety. One hour lecture. One hour credit.

EMS 1242 – Concepts of Airway and Respiratory Medicine Lecture.
This course integrates complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patient airway, adequate mechanical ventilation, and respiration for patients of all ages. Two hours lecture. Two hours credit.

EMS 1251 – Concepts of Airway and Respiratory Medicine Lab.
This course will integrate comprehensive knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of ensuring a patent airway, adequate mechanical ventilation, and respirations for patients of all age. Two hours laboratory. One hour credit.

EMS 1262 – Prehospital Pharmacology.
The Pharmacology I course contains topics related to the principles of pharmacologic interventions, including an overview of medication research and classifications. The laboratory component includes the theory related to intravenous/intraosseous access, medication administration, and injections. One hour lecture. Two hours laboratory. Two hours credit.

EMS 1343 – Concepts of Cardiovascular Medicine Lecture.
This course consists of the theory, anatomy, physiology, pathophysiology and treatments associated with the conditions of the cardiovascular system. This includes the theory of introductory, advanced, and multi-lead electrocardiogram interpretation. Changes in the lifespan will also be included. Three hours lecture. Three hours credit.

EMS 1352 – Concepts of Cardiovascular Medicine Lab.
A laboratory experience designed to give psychomotor experience to the theoretical concepts developed in the lecture. Four hours laboratory. Two hours credit.

EMS 1362 – Prehospital Respiratory Management.
This course integrates complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patient airway, adequate ventilation, and respiration for patients of all ages experiencing a variety of respiratory conditions. The course includes a lab component which integrates airway topics into the use of airway and ventilation adjuncts, including supraglottic airways. One hour lecture. Two hours laboratory. Two hours credit.

EMS 1373 – Prehospital Medical Management.
This course consists of the theory, anatomy, physiology, pathophysiology associated with various medical diseases from a body-systems approach. The lab experience includes theoretical concepts developed during lecture to incorporate advanced level skills. Two hours lecture. Two hours laboratory. Three hours credit.

EMS 1384 – Prehospital Trauma Management.
This course consists of the theory, anatomy, physiology, pathophysiology associated with various traumatic injuries from a body-systems approach. The lab experience includes theoretical concepts developed during lecture to incorporate advanced level skills. Three hours lecture. Two hours laboratory. Four hours credit.

EMS 1514 – Practicum I.
Using supervised rotations in a definitive care setting, the students will apply the concepts developed in the didactic and laboratory courses to live patients. This will include rotations in the hospital and clinical environments. Twelve hours clinical. Four hours credit.

EMS 1525 – Practicum II.
Using supervised rotations in a definitive care setting, the students will continue to develop assessment and treatment skills. The student will transition to field experience upon achieving competencies in the definitive care setting. Fifteen hours clinical. Five hours credit.

EMS 1533 – Prehospital Practicum I.
Using supervised rotations in a definitive care setting, the students will apply the concepts developed in the didactic and laboratory courses to live patients. This will include, but not be limited to rotations in the emergency department, ICU, operating room, respiratory therapy, pediatrics, and the field. Nine hours clinical. Three hours credit.

EMS 1543 – Prehospital Paramedic Pharmacology.
The Prehospital Paramedic Pharmacology course contains topics related to the medication administration for acutely ill or injured patients and chronic care medications. The laboratory component includes the application of pharmacological principles to patient conditions, including infusion calculations. Two hours lecture. Two hours laboratory. Three hours credit.

EMS 1552 – Prehospital Paramedic Respiratory Management.
This course builds upon already established knowledge of complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patient airway, adequate ventilation, and respiration for patients of all ages experiencing a variety of respiratory conditions with a focus on advanced-level interventions. The course includes a lab component which integrates airway topics into the use of airway and ventilation adjuncts, including endotracheal and other advanced airway procedures. One hour lecture. Two hours laboratory. Two hours credit.

EMS 1593 – Paramedic Bridge.
This course is a comprehensive review of the knowledge base and skills for the Advanced EMT wishing to enter into further paramedic training who did not participate in the previous AEMT/Paramedic courses. It includes lecture/lab on a range of topics pertaining to pathophysiology, medical, and trauma emergencies for patients of all ages. Three hours lecture. Three hours credit.

EMS 1742 – Concepts of Neurological Medicine Lecture.
This course consists of the theory, anatomy, physiology, pathophysiology, and treatments associated with conditions of the nervous system. This includes conditions related to structure and those associated with organic and non-organic brain disease. Changes in the lifespan will be included. Two hours lecture. Two hours credit.

EMS 1751 – Concepts of Neurological Medicine Lab.
A laboratory experience designed to give psychomotor experience to the theoretical concepts developed in the lecture. Two hours laboratory. One hour credit.

EMS 1913 – Fundamentals of Advanced EMT.
This course is required to apply for certification as an Advanced Emergency Medical Technician (AEMT). This course introduces the theory and application of concepts related to the profession of the AEMT. The primary focus of the AEMT is to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients across the lifespan who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. Topics include: extending the knowledge of the EMT to a more complex breadth and depth, intravenous access and fluid therapy, medication administration, blind insertion airway devices, as well as the advanced assessment and management of various medical illnesses and traumatic injuries. Two hours lecture. Three hours clinical. Three hours credit.

EMS 1942 – Concepts of Reproductive Medicine Lecture.
This course consists of the theory, anatomy, physiology, pathophysiology, and treatments associated with conditions of the reproductive system. The course includes care of the newborn as part of the concepts in reproductive medicine. Changes in the lifespan will be included. Two hours lecture. Two hours credit.

EMS 1951 – Concepts of Reproductive Medicine Lab.
A laboratory experience designed to give psychomotor experience to the theoretical concepts developed in the lecture. Two hours laboratory. One hour credit.

EMS 2343 – Medical Emergencies of the Secondary Assessment Lecture.
This course will integrate patient assessment and assessment findings with principles of epidemiology and pathophysiology across the lifespan. At the conclusion of this course, the student will be able to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with a medical complaint. Three hours lecture. Three hours credit.

EMS 2351 – Medical Emergencies of the Secondary Assessment Lab.
This course will integrate patient assessment and assessment findings with principles of epidemiology and pathophysiology across the lifespan. At the conclusion of this course, the student will be able to perform a secondary assessment in order to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with a medical complaint. Two hours laboratory. One hour credit.

EMS 2566 – Practicum III.
Under the supervision of an approved program preceptor, the student will continue to apply the concepts developed in the didactic, laboratory, and clinical settings to the care of patients in the environment of EMS. Eighteen hours clinical. Six hours credit.

EMS 2618 – Critical Care Paramedic I.
This course provides a complex review of medical care, procedures, and practices common to critical care transport. The student will gain a comprehensive knowledge of all aspects of critical care transport including Medical Legal, Safety, Regulations, Airway, Cardiovascular, Neurological, GI/GU, Shock, and Pharmacology. Eight hours lecture. Eight hours credit.

EMS 2622 – Critical Care Paramedic Lab (Pre/Co-requisite: EMS 2618).
This course utilizes the didactic knowledge learned in Critical Care Paramedic I and teaches the student the skills specific to Critical Care Transport including Advanced Pharmacological Assisted Intubation, Surgical Airway Management, Ventilator Management, Chest Tube Placement and Management, Hemodynamic Monitoring, Arterial Line Insertion, and Hemodynamic Monitor. Four hours laboratory. Two hours credit.

EMS 2632 – Critical Care Paramedic Practicum (Pre/Co-requisite: EMS 2618 & 2622).
The Critical Care Practicum is designed as clinical-based education with an emphasis on competency-based performance. The student will complete clinical rotation in a variety of critical and emergency care units. Students will be required to complete a minimum of 90 hours of clinical rotations. However, students will be required to continue in the clinical setting until successfully performing the prescribed number of skills relative to critical care prior to completion of the course. Six hours clinical. Two hours credit.
*Clinical components should be completed at a medical center with a full line of services including but not limited to Emergency Medicine, Surgery, Interventional Cardiology, Cardiothoracic Surgery, Orthopedics, Critical Care Medicine, and Pediatrics. Not all services must be available at a single facility. Depending on the student's clinical background, clinical rotations may be fitted to meet the educational and competency needs of the individual.

EMS 2743 – Concepts of Traumatic Medicine Lecture.
This course will develop the basis for the pathophysiology, identification, and treatment of traumatic emergencies including coverage of concepts related to trauma systems and shock management. These concepts will be examined in patients across the life span. Three hours lecture. Three hours credit.

EMS 2752 – Concepts of Traumatic Medicine Lab.
The trauma laboratory experience is designed to give psychomotor experience to the theoretical concepts developed in the lecture. Four hours laboratory. Two hours credit.

EMS 2764 – Prehospital Paramedic Cardiology Management.
This course consists of the theory, anatomy, physiology, pathophysiology associated with cardiac dysrhythmia management. The lab experience includes ACLS concepts with intensive skill practices. Two hours lecture. Four hours laboratory. Four hours credit.

EMS 2773 – Prehospital Paramedic Medical Management.
This course builds upon the previously lectured theory, anatomy, physiology, pathophysiology associated with various medical diseases from a body-systems approach. An increased focused is applied to paramedic-level interventions in acute/chronic care patients. The lab experience includes theoretical concepts developed during lecture to incorporate advanced level skills for various medical conditions. Two hours lecture. Two hours laboratory. Three hours credit.

EMS 2784 – Prehospital Practicum II.
As a continuation of Practicum I, this course uses supervised rotations in definitive care settings to continually develop assessment, treatment, and affective skills. The student will transition to primarily field experiences upon achieving competencies in the hospital settings. Twelve hours clinical. Four hours credit.

EMS 2863 – Prehospital Paramedic Maternal, Child, and Special Populations Management.
This course consists of the theory, anatomy, physiology, pathophysiology, and treatments associated with conditions of gynecology, obstetrics, neonatal, pediatric, and other lifespan issues. The lab component allows the student to practice skill-heavy lecture topics, including field delivery and resuscitation. Two hours lecture. Two hours laboratory. Three hours credit.

EMS 2873 – Prehospital Practicum III.
Building upon Practicum I & II, the student will, under the supervision of an approved program preceptor, integrate concepts developed in the didactic, laboratory, and clinical settings to the care of patients in the field setting. Nine hours clinical. Three hours credit.

EMS 2883 – Prehospital Paramedic Care Capstone.
This course serves as the capstone experience at the conclusion of paramedic didactic material. It will provide the student with a final review of topics and the opportunity to integrate their cognitive knowledge and psychomotor skills through cumulative practical skill evaluations and a comprehensive final examination. One hour lecture. Four hours laboratory. Three hours credit.

EMS 2893 – Prehospital Paramedic Practicum Capstone.
A final internship which builds upon Practicum I, II & III, the student will, under the supervision of an approved program preceptor, integrate concepts developed in the didactic, laboratory, and clinical settings to the care of patients in the field setting with a focus on team leadership. Nine hours clinical. Three hours credit.

EMS 2912 – Concepts of EMS Operations.
This course will develop the knowledge of operational roles and responsibilities to ensure safe patient, public, and personnel safety. Two hours lecture. Two hours credit.

EMS 2924 – Professional Development Seminar (Prerequisite: A student must be a nationally-registered paramedic, as well as a Mississippi-certified paramedic and be currently enrolled in the Associate of Applied Science Program).
This course teaches the leadership skills necessary to manage complex situations including patient care, supervision, mentoring, and leading other personnel. One hour lecture. Six hours laboratory. Four hours credit.

EMS 2933 – Cardiac Resuscitation Across the Life Span.
This course is a comprehensive review of cardiac resuscitation for healthcare professionals. The course provides a review of Basic Life Support for all age groups, advanced cardiac life support, and pediatric advanced life support. At the end of the course, licensed healthcare providers are eligible to receive Certification in BLS-Healthcare Provider, ACLS, and PALS for the American Heart Association. Three hours lecture. Three hours credit.

EMS 2942 – Paramedic Capstone Lecture.
This course serves as a capstone experience course at the end of the Paramedic Program. This course will include the following topics: special needs patient populations, EMS research, principles of public health, integration of leadership, and emerging roles in EMS. Two hours lecture. Two hours credit.

EMS 2952 – Paramedic Capstone Lab.
This course will provide the student with a final opportunity to incorporate their cognitive knowledge and psychomotor skills through cumulative practical skill evaluations and a comprehensive final examination. Four hours laboratory. Two hours credit.

I certify the above amendment is true and correct in content and in policy.

July 22, 2022

Dr. Jenny Jones, Vice President for Academic Programs