Marshall University Joan C. Edwards School of Medicine Academic Bulletin

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Academic Bulletin

A. Medical School Mission and Medical Education Program Objectives

Mission Statement

We are empowering the future of medicine by elevating education, driving discovery, and championing wellness throughout Appalachia and beyond.

Values

- **Collaboration:** We foster teamwork across disciplines and institutions to enhance patient care, education and research.
- **Community:** We are committed to building a healthier future for West Virginia and Appalachia by addressing rural health challenges and meeting the needs of the communities we serve.
- **Innovation:** We embrace new ideas, technologies and research to advance understanding of disease and improve patient outcomes.
- **Lifelong Learning:** We recognize medicine is a lifelong calling that requires continuous growth to meet the evolving needs of patients and the profession.
- **Respect:** We value every individual, prioritizing empathy, humanism and integrity in all we do.

Educational Program Objectives

The educational program objectives describe the knowledge, skills, behaviors, and professional attributes expected of graduates of the Marshall University Joan C. Edwards School of Medicine.

1. **Medical Knowledge**

- Understand and apply knowledge of biomedical and clinical sciences to comprehend determinants of human health and disease
- Understand and apply principles of social-behavioral sciences to patient care, including assessment of the impact of psycho-social and cultural influences on health, disease, care-seeking, care compliance, and barriers to and attitudes toward care
- Understand and apply knowledge of scientific principles required to practice evidence-based medicine
- Understand and apply knowledge about pain relief, palliative and end-of life care
- Understand and apply knowledge of ethical principles that govern decision making in medicine

2. **Patient Care**

• Gather, organize, interpret and document essential information about patients and their conditions through history taking, physical examination, and other methods of gathering

• Obtain informed consent for common medical and surgical procedures in a compassionate, professional, and efficient manner

• Perform comprehensive medical and/or diagnostic skill considered essential for patient care

• Use clinical reasoning, formulate appropriate differential diagnoses, make informed decisions about diagnostic and therapeutic interventions based on patient information and current scientific evidence

• Recognize emergency medical conditions and institute appropriate initial therapy

• Develop and carry out patient management plans in collaboration with patients, families, and the health care team

3. **Professionalism**

- Student is ethical, responsible, reliable and dependable in all aspects of their professional lives and a commitment to patients, society and the profession

- Student is honest and shows integrity in all interactions with patients, families, staff, colleagues and others with whom students interact in their professional life

- Student is professional in dress, grooming, manner of speech and personal interactions with colleagues, staff, faculty, patients, patient's families and caregivers.

- Student is respectful for the privacy and dignity of patients and their families.

- Student is compassionate in treatment of patient.

- Student demonstrates knowledge of key principles required for delivery of culturally competent care.

- Student is professional in maturity by appropriately managing conflicts, coping with personal and professional stress and showing flexibility in potentially ambiguous situations.

4. Interpersonal Skills and Teamwork

- Demonstrates the ability to communicate effectively in a timely manner, both verbally and in writing, with patients, patients' families, colleagues, and others with whom physicians must exchange information in carrying out their responsibilities

- Demonstrate the ability to communicate effectively with colleagues within one's discipline as well as other health professionals in a respectful, professional and timely manner to ensure interdisciplinary and inter-professional delivery of high quality care

- Demonstrate capable leadership including problem assessment and problem solving

- Develop psycho-socially and culturally sensitive skills that allow that allow working with patients, communities, and inter-professional teams

5. Practice Based Learning and Improvement

- Demonstrates the capacity to recognize and accept limitations in one's own knowledge and clinical skills, and a commitment to continuously improve one's knowledge and ability through lifelong learning

- Demonstrates the ability to independently set learning and improvement goals

- The ability to incorporate all forms of feedback in identifying gaps in knowledge, skills and professionalism and implement remediation plans.

- Demonstrate the ability to identify, analyze and assimilate evidence from scientific research and apply to patients' health problems

- The ability to participate effectively in education of patients, their families and caregivers, other trainees, and other health professionals

6. Systems Based Practice

- Knowledge of basic organization of health care systems including the various relationships between patients, providers, practices, and institutions

- Knowledge of impact of health care disparities in delivery of health care

- Knowledge of economic impact of diagnostic and therapeutic evaluation and risk-benefit analysis in both patient and population-based care

- The ability to identify and report systems error as well as identify potential systemic solutions

- Analyze current policies and practices affecting health care

7. Critical Thinking and Problem-Solving Skills

- Be able to apply creative/critical thinking to develop new information and solutions for health care providers

- Be able to understand and apply foundational concepts to clinical problem solving

- Recognize the limitations of scientific evidence and weigh uncertainty to guide decisions

- Effectively utilize current and emerging technology to optimize learning and patient care

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B. Admission and Completion Requirements for the MD Degree and Joint Degree Programs

MD Admissions Requirements

Eligibility Requirements

Applicants must:

- Be a United States citizen or permanent resident.
- Complete a bachelor's degree from an accredited college or university prior to matriculation. Exceptionally qualified applicants with a minimum of 90 semester credit hours may be considered.
- Complete all prerequisite coursework with a grade of "C" or better prior to matriculation.

Preference is given to qualified applicants who are residents of West Virginia and those with rural backgrounds or demonstrated interest in rural medicine.

Prerequisite Coursework

Course	Semester Hours
General Biology or Zoology with Laboratory	8
General Chemistry with Laboratory	8
Organic Chemistry with Laboratory	8
Biochemistry	3
Physics with Laboratory	8
Statistics or Biostatistics	3
English	6
Social or Behavioral Science	6

Highly Recommended coursework includes:

- Cellular and Molecular Biology
- Immunology
- Any Course in Physiology or Anatomy (300 Level & Above)

Advanced Placement (AP) or College Level Examination Program (CLEP) credit may be accepted toward prerequisite requirements if documented on the official transcript and supplemented by evidence of proficiency, such as completion of advanced coursework in the discipline or a strong MCAT performance. Except for the 2020–2021 and 2021–

2022 academic years, online coursework is not accepted to fulfill science (BCPM) prerequisites.

Application Requirements

Applicants must apply through the American Medical College Application Service (AMCAS), which allows applicants to apply to participating medical schools using a single application and set of official transcripts. Applications for admission are accepted through AMCAS from June 1 through November 1 of the year prior to anticipated enrollment.

Marshall University Joan C. Edwards School of Medicine operates a rolling admissions process. Applicants are encouraged to submit all materials as early as possible due to the progressive nature of the interview and admission offers.

Applications are reviewed following verification by AMCAS. Verification typically requires four to six weeks after submission. No review action is taken until the application has been verified.

1. Supplemental Application

Applicants with verified AMCAS applications are screened for completion of the Marshall University Supplemental Application and Prerequisite Activity. Preference in this screening process is given to residents of West Virginia and those with rural backgrounds or demonstrated interest in rural medicine.

A nonrefundable supplemental application fee is required ($75 for West Virginia residents and $100 for nonresidents). Applicants who receive an AMCAS Fee Assistance Program waiver are exempt from the supplemental application fee.

2. Completed Application

An application is considered complete when the following materials have been received:

· Verified AMCAS application

· Completed Supplemental Application and Prerequisite Activity

· Payment of the supplemental application fee (waived for AAMC Fee Assistance Program recipients)

· Letters of recommendation. Applicants must submit three letters of recommendation or a premedical advisory committee letter.

· Valid MCAT score (completed within the past three years unless exempt through an approved combined or early assurance program).

Selection Criteria

1. **MCAT & GPA Requirements**

The Medical College Admission Test (MCAT) is required for admission and is used in conjunction with other academic and non-academic factors in the selection process.

Applicants participating in approved institutional pathway programs may be exempt from the MCAT requirement in accordance with program-specific policies. However, students in these programs are strongly encouraged to take the MCAT to demonstrate medical school readiness and to remain competitive for scholarship opportunities.

Students in approved pathway programs must maintain the academic standards established for their respective programs.

Applicants are encouraged to review recent class profiles for general information regarding academic metrics. The competitiveness of academic indicators, including MCAT scores and science grade point averages (BCPM), varies from year to year based on the composition of the applicant pool.

Interview

1. **Interview Selection**

Once the Office of Admissions confirms that an MD application is complete, the application is reviewed for potential interview selection in accordance with established criteria. Priority consideration is given to applicants with West Virginia ties, rural backgrounds, and demonstrated interest or experience in rural medicine.

2. **Interview Format**

Applicants selected for interviews participate in a virtual interview conducted by members of the Admissions Committee and designated interview team members.

3. **Interview Process**

Interviews are conducted virtually by invitation only. The interview is semi-structured and scored. Interviews are designed to assess an applicant’s motivation for a career in medicine, interpersonal and communication skills, professionalism, and personal characteristics relevant to the study and practice of medicine.

The interview process also provides applicants with an opportunity to learn more about the School of Medicine and its educational environment.

Admissions Committee Review and Decisions

The authority and composition of the admissions committee and the rules for its operation, including voting privileges and the definition of a quorum, are specified in the Marshall University Joan C. Edwards School of Medicine Admissions Policy and Procedures: https://jcesom.marshall.edu/media/64626/admissions-policy-revisions-11-14-2025-and-3_2_2026-3_17_2026-3_18-4_13-522.pdf

Faculty members constitute the majority of voting members at all meetings. The selection of individual medical students for admission is not influenced by any political or financial factors.

The Admissions Committee has final authority for the selection of regular MD applicants and applicants to the Early Assurance Pathway Program and dual-degree programs, including the MD/PhD program, the MD/MS in Health Informatics, and the MD/MA in Communication Studies. For these dual-degree programs, the Admissions Committee's role pertains to the evaluation and selection of the MD component of the application, while the respective graduate programs provide additional review and oversight for their degree-specific requirements. If a candidate is determined by the other graduate programs to not be acceptable for their degree, the decision of the medical school admissions committee still stands for the MD portion. The Admissions Committee is an independent body and acts free of external influence.

Following interview completion, applicants are reviewed by the Admissions Committee. Interviewers present relevant information to the Committee as part of the deliberation process.

The Admissions Committee reviews each applicant and renders one of the following decisions: accept, hold, or reject. Decisions are made by majority vote of the Committee in accordance with established procedures.

The Admissions Committee holds final authority for all admissions decisions.

Applicants are notified in writing of final admissions decisions. The Admissions Committee ensures that all decisions are made in accordance with established policies and institutional mission priorities.

Accepted applicants may request a one-year deferral of matriculation. Requests must be submitted in writing to the Admissions Committee and are reviewed on a case-by-case basis.

Waitlist Management

Applicants placed on the waitlist have been accepted by the admissions committee but are not offered immediate acceptance due to class size limitations. The waitlist is unranked.

The Admissions Committee delegates operational management of the waitlist to the Admissions Office. Applicants may be selected from the waitlist based on mission-aligned institutional priorities, which include West Virginia residency, rural background, and demonstrated interest or experience in rural medicine.

Traffic Rules and Admissions Communication

The School of Medicine adheres to the Association of American Medical Colleges (AAMC) Application and Acceptance Protocols to ensure timely, fair, and transparent communication with applicants throughout the admissions cycle.

Admission decisions are communicated in accordance with AAMC guidelines, and all required notifications are submitted to AMCAS within the timeframes established by those protocols.

Applicants are expected to comply with AAMC guidance regarding acceptance management, including use of the AAMC Choose Your Medical School (CYMS) tool and associated traffic rules for managing multiple offers of acceptance.

The School of Medicine participates fully in the CYMS process and uses the information provided through the tool to support class selection and enrollment management in accordance with AAMC guidelines.

MD Early Assurance Program

The MD Early Assurance Program is a structured pathway for selected Marshall University undergraduate students who demonstrate academic strength, commitment to service, and interest in a career in medicine. Students selected for the program are conditionally accepted to the MD program pending successful completion of all undergraduate and program requirements. The MD admissions committee has final authority for acceptance of early assurance students.

1. **Eligibility and Selection**

Applicants must be U.S. citizens or hold permanent resident status. Applicants must apply during the spring semester of their second undergraduate year at Marshall University and must have completed at least two years of full-time study at Marshall University at the time of acceptance into the program, while remaining enrolled as a degree-seeking student. Selection occurs during the undergraduate curriculum and is competitive in nature.

Eligible applicants must meet the following academic and prerequisite requirements by the end of the summer semester of their application year: completion of one year each of general biology (or zoology), general chemistry, and organic chemistry, including all associated laboratory components. If Organic Chemistry Laboratory is not offered by

Marshall University during the summer term, this requirement may be waived for eligibility; however, all students accepted into the program must complete Organic Chemistry Laboratory with a grade of C or higher by the end of the summer semester of their junior year.

Applicants must also achieve a minimum composite ACT score of 24 or composite SAT score of 1160 from a single test date (superscoring is not accepted). In addition, applicants must maintain a minimum 3.7 cumulative GPA in Biology, Chemistry, Physics, and Mathematics (BCPM) and a minimum 3.5 overall cumulative undergraduate GPA at the conclusion of the summer semester of the application year.

The MCAT requirement may be waived in accordance with program policy for students who complete all program requirements. However, students in the program are strongly encouraged to take the MCAT to demonstrate academic readiness for medical school and to support consideration for scholarship opportunities.

Technical Standards

In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA), Marshall University Joan C. Edwards School of Medicine has established technical standards for admission, retention, and graduation of candidates in the MD program. Candidates will review and sign that they have read and understand the Technical Standards upon their acceptance of the offer for medical school admission.

Candidates must be able to acquire and demonstrate the essential competencies of the curriculum, including medical knowledge, patient care, interpersonal and communication skills, professionalism, practice-based learning and improvement, and systems-based practice, with or without reasonable accommodation.

To meet these requirements, candidates must demonstrate abilities and skills in observation, communication, motor function, intellectual-conceptual abilities, and behavioral and social attributes.

1. **Observation**

Candidates must be able to obtain, interpret, and integrate information from clinical, diagnostic, and educational experiences.

2. **Communication**

Candidates must be able to communicate effectively with patients, families, and members of the health care team in English, both verbally and in writing.

3. **Motor Function**

Candidates must have sufficient motor skills and coordination to perform physical examinations and clinical procedures appropriate to medical training.

4. Intellectual-Conceptual Abilities

Candidates must be able to analyze, synthesize, and apply complex information in the diagnosis and care of patients.

5. Behavioral and Social Attributes

Candidates must demonstrate professionalism, ethical judgment, emotional stability, and the ability to function effectively in clinical and educational environments, including under conditions of stress.

Candidates must be able to meet these technical standards with or without reasonable accommodation. Requests for accommodations are managed in accordance with institutional policies.

Failure to meet technical standards, with or without reasonable accommodation, may result in referral to the appropriate academic review committee for evaluation of progress in the program.

Criminal Background Checks and Drug Screening

Applicants who accept the offer for admission must complete criminal background checks. Drug testing is required for all matriculating students during or shortly after orientation.

Immunization and Health Requirements

All matriculating and current students of the Marshall University Joan C. Edwards School of Medicine are required to meet these immunization requirements:

- Rubella (German Measles) – titer required
- Rubeola (Measles) – titer required
- Mumps – titer required
- Varicella (Chicken Pox) – titer required
- Hepatitis B – documentation of three immunizations and quantitative titer required
- Tetanus; Diphtheria; Pertussis – Proof of immunization
- Tdap – recent Td > 10 years Tdap required
- TST (Tuberculin skin testing) or QuantiFERON Gold Assay
- Flu – One dose yearly
- COVID-19 Vaccine - 1 dose of updated 2025-2026 COVID-19 vaccine if previously vaccinated with any COVID-19 Vaccine, administered >8 weeks after the last dose.

Refer to details on AAMC Standardized Immunization Form:
https://www.aamc.org/media/23441/download

Admission Requirements for Joint Degree Programs

Applicants to joint degree programs must meet admission requirements for both the MD program and the participating graduate program.

MD/PhD Program

The MD/PhD program prepares physician-scientists through integrated clinical and research training. Students develop expertise in both biomedical research and clinical medicine, with the goal of translating scientific discoveries into improved patient care.

The program typically requires seven to eight years for completion. Students complete the first two years of the MD curriculum, including research experiences, followed by PhD coursework and dissertation research after successful completion of the USMLE Step 1 examination. Students then return to complete the final two years of the MD curriculum.

Students participate in structured research training, clinical education, and professional development activities throughout the program.

Admission requirements: https://jcesom.marshall.edu/health-sciences-graduate-programs/medical-doctor-md-doctor-of-philosophy-phd-in-biomedical-research/

MD + Master of Science in Health Informatics

The MD + MS in Health Informatics is an integrated dual-degree program designed to prepare physician-leaders in data-driven health care innovation.

This program is offered jointly by the Joan C. Edwards School of Medicine and the Lewis College of Business. It is available to students entering the MD program in fall 2026.

The curriculum focuses on health data management, clinical information systems, artificial intelligence applications in health care, predictive analytics, data governance, and ethical issues related to health information technology.

Graduates are prepared for leadership roles in clinical informatics, health systems improvement, and technology-enabled health care delivery.

Application process: https://www.marshall.edu/graduate-admissions/

MD + Master of Arts in Communication Studies

The MD + MA in Communication Studies is an integrated dual-degree program designed to prepare physicians with advanced skills in communication across clinical, organizational, and public contexts.

This program is offered jointly by the Joan C. Edwards School of Medicine and the College of Liberal Arts and Social Sciences. It is available to students entering the MD program in fall 2026.

The curriculum emphasizes interpersonal communication, health literacy, patient education, organizational communication, strategic messaging, and communication in public health and health care systems.

Graduates are prepared to enhance patient engagement, improve shared decision-making, and lead in clinical communication, advocacy, and health education.

Application process: https://www.marshall.edu/graduate-admissions/

Admission Requirements for PhD Program and Certificate Program

Doctor of Philosophy in Biomedical Research (PhD)

The PhD program in Biomedical Research provides interdisciplinary training in biomedical research across multiple areas of investigation.

Research opportunities include, but are not limited to, obesity-related disorders, epithelial transport, renal and intestinal physiology, inflammation, microbiome research, toxicology, cancer biology, pulmonary disease, addiction neurobiology, cardiovascular disease, neuroscience, and related biomedical sciences.

Students complete mentored research and advanced coursework designed to prepare them for careers in academic medicine, industry, and biomedical research.

Admission Requirements: https://jcesom.marshall.edu/health-sciences-graduate-programs/doctor-of-philosophy-in-biomedical-research-phd/

Certificate Program

The Certificate in Medical Science at the Joan C. Edwards School of Medicine is a one-year program designed to strengthen the academic foundation of students preparing for medical school. The program is designed for students looking to strengthen their applications to medical school, with coursework in core pre-clerkship sciences—

biochemistry, physiology, immunology, microbiology and pharmacology taught by the same faculty who teach in the medical school. Students are also eligible to receive a subsidy for an MCAT preparation course, further supporting your success.

While admission to the certificate program does not guarantee admission to medical school, students who complete the program with a GPA of 3.4 or higher and an MCAT score of 505 or above are eligible for early interview consideration at Marshall's School of Medicine.

Admission requirements: https://jcesom.marshall.edu/health-sciences-graduate-programs/certificate-in-medical-science-program/

Completion Requirements for the Doctor of Medicine Degree

To qualify for the Doctor of Medicine degree, students must: Successfully complete all required coursework and clinical experiences.

- Demonstrate achievement of the School of Medicine educational program objectives.
- Meet all academic and professional standards established by the School of Medicine.
- Successfully complete required licensing examinations as required by School policy.
- Complete all graduation requirements within the time limits established by the School of Medicine.
- Resolve all financial and administrative obligations to Marshall University.

Refer to student handbook for policies regarding advancement/graduation: som_studenthandbook_july2024.pdf

Completion Requirements for the Joint Degree Programs, PhD Program, and Certificate Program

MD/PhD Program

https://catalog.marshall.edu/graduate/programs-az/medicine/biomedical-research-md-phd/

MD + Master of Science in Health Informatics

Students must meet completion requirements for both the MD program and the MSHI: https://catalog.marshall.edu/graduate/programs-az/business/health-informatics-ms/

MD + Master of Arts in Communication Studies

Students must meet completion requirements for both the MD program and the MA in Communication Studies: https://catalog.marshall.edu/graduate/programs-az/liberal-arts/communication-studies-ma/

Doctor of Philosophy in Biomedical Research (PhD)

https://catalog.marshall.edu/graduate/programs-az/medicine/biomedical-research-phd/

Certificate Program

Curriculum

Students may matriculate in either the fall or spring term, completing a minimum of 16 credit hours across two semesters:

Fall Semester

- BMR 601: Introduction to Nucleic Acids and Proteins (3 CR)
- BMS 605: Microbiology and Pharmacology for the Medical Sciences (5 CR)

Spring Semester

- PHS 629: Mammalian Physiology (6 CR)
- BMS 634: Biostatistics and Epidemiology for the Medical Sciences (2 CR)

Graduation Requirements

Students must complete the program with a minimum GPA of 3.0. The Comprehensive Assessment will consist of a multiple-choice exam covering all courses that the student must achieve a minimum score of 70% to pass.

C. Academic Calendar for Each Curricular Option

M1 Academic Calendar (Academic Calendar is Updated Annually for the year ahead)

https://jcesom.marshall.edu/media/64573/2026-2027-academic-calendar-class-of-2030.pdf

Curriculum Map:



Joint Degree Program Calendars

MD/PhD students will follow the MU Joan C. Edwards School of Medicine Academic Calendar while completing the MD requirements and will follow the Marshall University Huntington campus Academic Calendar while completing the PhD requirements. https://www.marshall.edu/academic-calendar/

PhD Program Calendar



Certificate Program Calendar

Certificate students follow the Marshall University Main Campus Academic Calendar. https://www.marshall.edu/academic-calendar/

D. Required Course and Clerkship Descriptions

Pre-Clerkship Courses (Phase I)

Required Courses:

1. M1 (fall-spring) –
    a. MDC 800 (Physicians in Practice) – 6 credits – This longitudinal course emphasizes principles and application of several key competencies critical to practicing physicians, including communication skills, professionalism, patient care, humanism, ethics, team building, bias training and early-patient encounter. **Grade Mode: Pass/Fail**
    b. MDC 801 (Molecular and Cellular Foundations) – 6 credits – Introductory course for the foundations in molecular biology, cell biology, and genetics. **Grade Mode: Honors/Pass/Fail**
    c. MDC 802 (Hematology, Oncology, Microbiology and Host Defense) – 12 credits – Foundational course covering basic and advanced concepts of hematology, oncology, microbiology and immunology in an integrated, case-based format. **Grade Mode: Honors/Pass/Fail**
    d. MDC 803 (Patient Care and Clinical Skills 1) – 4 credits – This course helps students master the skills necessary for obtaining a thorough history

and performing a complete physical exam. This course instructs and assesses all components necessary to provide clinical care. The course builds on and assesses previously instructed themes such as humanism, ethics, and bias. **Grade Mode: /Pass/Fail**

e. MDC 814 (MSK) – 6 credits – Lead-in to the organ-system based part of the Phase 1 curriculum. Students are introduced to basic and advanced concepts of human anatomy, including cadaver dissection. The course emphasizes key concepts in all relevant disciplines for application towards understanding health conditions of the musculoskeletal, and head and neck systems. **Grade Mode: Honors/Pass/Fail**

f. MDC 804 (Neurology and Behavioral Health) – 9 credits – Provides students with a firm foundation encompassing an interdisciplinary approach to evaluating and treating neurological and psychiatric disorders. All relevant foundational disciplines, including anatomy, clinical medicine, behavioral medicine, physiology, pathology, pharmacology, and radiology are covered in this course. **Grade Mode: Honors/Pass/Fail**

2. M2 (falls-spring) –

a. MDC 806 (Patient Care and Clinical Skills 2) – 4 credits – This course helps students master the skills necessary for obtaining a thorough history and performing a complete physical exam. This course instructs and assesses all components necessary to provide clinical care. The course builds on and assesses previously instructed themes such as humanism, ethics, and bias. **Grade Mode: /Pass/Fail**

b. MDC 807 (Cardiology, Pulmonology and Nephrology) – 15 credits – An Advanced course in the foundational and clinical concepts of cardiovascular, renal and respiratory systems. The course leverages extensive interdependence of these systems to help build a firm foundation that encompasses an interdisciplinary approach to evaluating and treating disorders of these systems. All relevant foundational disciplines, including anatomy, pathophysiology, pharmacology, radiology, and clinical medicine are covered in this course. **Grade Mode: Honors/Pass/Fail**

c. MDC 808 (Gastroenterology, Nutrition, Endocrine and Reproduction) – 12 credits – This course helps students to master the foundational concepts and clinical correlations for diseases of the gastrointestinal, endocrine and reproductive systems. The course emphasizes the nutritional basis of medicine and integrates multisystem health conditions, covered in prior courses. **Grade Mode: Honors/Pass/Fail**

d. MDC 809 (NBME Prep) – 9 credits – This is a board-preparatory course allowing students to undertake self-directed study before they take the comprehensive basic science examination. Passing this course is required

to progress to the clerkship curriculum of the MD program. **Grade Mode: /Pass/Fail**

Electives:

1. IPPCR (Introduction to Practice and Principles of Clinical Research) – 2 credits
2. Medical Student Summer Research (MSSR) – 6 credits

Required Clerkships (Phase II)

Required Courses:

- Family & Community Health (FCH 742) – 7 weeks – The Family & Community Health Clerkship emphasizes continuity of patient care and patient-based student-directed learning in ambulatory settings. The course focuses on teaching clinical problem-solving skills as well as understanding preventive, community health, and patient education issues. Students also work with the Family Medicine Hospital team for a limited experience. Students are exposed to the rich variety of clinical experiences that comprise the specialty of Family Practice. **Grade Mode: Honors/Pass/Fail**
- Pediatrics (PED 742) – 7 weeks – The Pediatric Clerkship is an eight-week required clinical clerkship designed to involve students in the evaluation, assessment, care and counseling of pediatric patients and their families from infancy to young adulthood. During the rotation, two weeks will be spent at Cabell Huntington Hospital on the Pediatric Ward, one week in the Neonatal Intensive Care Unit, one week in the Pediatric Intensive Care Unit, one week in the Newborn Nursery and three weeks will be divided between the various Pediatric Outpatient Clinics. During this clerkship, there will always be an Attending Physician and Pediatric Residents to supervise student education and serve as a resource for all questions. **Grade Mode: Honors/Pass/Fail**
- Psychiatry (PSI 742) – 4 weeks – The Psychiatry Clerkship is designed to broaden the student's knowledge of psychiatry, behavioral health issues, and neurology and how these relate to the practice of medicine. Students learn how to recognize and evaluate psychiatric and neurologic disorders. Students learn appropriate treatment and management approaches to psychiatric and neurologic illnesses. Students experience care in general medical, neurologic, and psychiatric settings, across the continuum of care. This includes time in outpatient and in-patient services, also including consultation for psychiatric and neurologic conditions in hospitalized patients. **Grade Mode: Honors/Pass/Fail**
- Neurology (NEU 742) – 4 weeks – The Neurology Clerkship is designed to broaden the student's knowledge of primary neurologic pathology and how these relate to the practice of medicine. Students learn how to recognize and evaluate common neurologic disorder presentations. Students learn appropriate treatment

and management approaches to neurologic illnesses. Students experience care in general outpatient and inpatient settings and across the continuum of care from new and emergent evaluations to routine follow-up of chronic conditions. The students will also be exposed to common procedures used in the evaluation and treatment of patients with neurology symptomatology including neurophysiologic studies, neuroimaging, botulinum injections and lumbar punctures. Four-week rotation is not eligible for rural placement. **Grade Mode: Honors/Pass/Fail**

- Surgery (SUR 742) – 8 weeks – The Surgery Clerkship provides a core learning experience for medical students in the discipline of general surgery. Students have the opportunity to gain knowledge and skills basic to the practice of general surgery through formal classroom teaching and clinical activities, both in-patient and out-patient. Students rotate through one week of Orthopedics and one week of Anesthesia as well as 2 days of breast surgery and urology. Four weeks can be spent at an approved rural rotation. **Grade Mode: Honors/Pass/Fail**
- Obstetrics/Gynecology (OBG 742) – 6 weeks – The Obstetrics and Gynecology Clerkship is designed to provide the medical student a base of information regarding human reproduction and the function and dysfunction of the reproductive system. Students participate in the care of women with various gynecologic diseases, including endocrinopathies and neoplasia. Emphasis is placed upon family planning, screening for disease, and preventative care for women throughout life. The students learn the basis of antepartum, intrapartum, and postpartum care for low and at-risk pregnancies. Students learn the physiologic response to normal pregnancy, and the effect of pregnancy on chronic disease. **Grade Mode: Honors/Pass/Fail**
- Internal Medicine (MED 742) – 10 weeks – The Internal Medicine Clerkship provides a broad exposure to the core aspects of Internal Medicine. Students participate in a comprehensive multidisciplinary approach to inpatient medicine in addition to experience within the ambulatory general medical and subspecialty clinics. Students are expected to acquire knowledge and skills of major disease entities related to internal medicine patients and apply this to development of diagnostic and therapeutic plans, thereby providing personalized,scientific, evidence-based patient care. **Grade Mode: Honors/Pass/Fail**
- Career Exploration Selectives – 2 weeks. All students must complete two, one-week career exploration selectives to progress to Phase III. **Grade Mode: Pass/Fail**

Advanced Clinical Requirements (M4, Phase III)

Required Courses

- Sub-Internship – 4 weeks – must complete one:
    - Family Medicine

    - Internal Medicine
    - Neurology
    - Obstetrics
    - Orthopedics
    - Pediatrics
    - Surgery
    - Psychiatry
- Intensive Care Unit – 2 weeks – must complete one:
    - Critical care in Medicine
    - Neonatology
    - Pediatrics critical care
    - Surgical intensive care
- Emergency Medicine – 2 weeks
- Electives – 28 weeks
