

2009-2010 KCUMB College Catalog



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KCUMB COLLEGE CATALOG 2009-2010

This catalog is an official bulletin of Kansas City University of Medicine and Biosciences and is intended to provide general information. It contains policies, regulations, procedures and fees effective July 1, 2009.

The University reserves the right to make changes at any time to reflect current board policies, administrative regulations and procedures, amendments by state law and fee changes. Information provided in this catalog is subject to change without notice and does not constitute a contract between Kansas City University of Medicine and Biosciences and a student or an applicant for admission. The institution is not responsible for any misrepresentation or provisions that may arise as a result of errors in preparation.

Students are responsible for observing the regulations contained herein; therefore, they are urged to read this catalog carefully. This catalog does not contain all institutional rules, regulations or policies for which student are responsible. Students should also consult the *KCUMB Student Handbook*. An electronic copy of this publication can be obtained at www.kcumb.edu.

The University reserves the right to dismiss a student for cause at any time.

Contact Information

Kansas City University of Medicine and Biosciences
1750 Independence Ave.
Kansas City, Mo. 64106-1453
(816) 283-2000 Main Switchboard
(800) 234-4847 Toll Free
(816) 283-2351 Admissions Office
E-mail: admissions@kcumb.edu
Web site: www.kcumb.edu

Administrative offices are open weekdays from 8 a.m.-4:30 p.m. Visitors are strongly encouraged to make appointments before visiting the campus to ensure the availability of the person they need to see.

MISSION, VALUES AND HISTORY

Mission Statement

Kansas City University of Medicine and Biosciences, a private, not-for-profit institution of higher education founded in 1916, is a key urban partner in the Greater Kansas City community. We are committed to excellence in the education of highly qualified students in osteopathic medicine and the life sciences.

We are a community of students and teachers; scientists and scholars; physicians and health care professionals; administrators and staff, with a common conviction that ability is gained through knowledge; integrity is learned by example; and compassion and empathy are first received and then given.

We are united in our commitment to:

- Developing and sustaining the highest quality educational programs for the preparation of physicians, ethicists and scientists who are leaders in meeting the needs of an ever changing society;
- Maintaining a culture which embodies the principles and philosophy of our heritage, exemplifying humane, holistic and compassionate care;
- Contributing to the advancement of knowledge through research and scholarly activities;
- Developing the potential of students and faculty by sustaining a learning environment, which emphasizes educational and personal values and a striving toward excellence; and
- Fundamental to our mission is the preservation and renewal of human life.

Core Values

- Leadership
- Humility
- Faith and Positivity
- Integrity
- Compassion
- Service

Recte Faciendo Neminem Time: Do right, fear nothing

Vision Statement

Kansas City University of Medicine and Biosciences will be and will be perceived as an innovative private research university of exceptional leadership and quality in medicine and biosciences, and an active partner in the economic growth and vitality of the region.

Historical Highlights

1916

The Kansas City College of Osteopathy and Surgery (KCCOS) is founded. George J. Conley, D.O., becomes the college's first president. Classes begin in a building at 7th and Wyandotte.

1917

Mamie Johnston, a transfer student, becomes the first graduate. KCCOS moves to 15th and Troost.

1921

2105 Independence Avenue becomes the school's address.

1940

Johnston Hall Science Building is dedicated.

1944

The 100-bed Wesley Hospital at 11th and Harrison is purchased, and Conley Hospital is converted to a maternity hospital.

1950

Dr. Joseph M. Peach is elected the College's second president.

1964

Dr. Richard Eby succeeds Dr. Joseph Peach as president.

1965

Dr. Richard Eby resigns and Dr. K.J. Davis, alumnus and dean of the College, becomes interim president.

1966

Dr. Eugene B. Powers is installed as the fifth president. The College celebrates its golden anniversary and becomes the largest osteopathic college in the United States.

1968

On the sudden death of Dr. Eugene B. Powers, Dr. K.J. Davis is again selected as interim president. Mazzacano Library opens. Dr. Rudolph S. Bremen becomes the sixth president.

1970

KCCOS becomes The Kansas City College of Osteopathic Medicine (KCCOM).

1972

The Center for Health Sciences, later known as University Hospital, is opened.

1979

The new Administration Building, a gift from the Alumni Association, is occupied after extensive renovation, and 1750 Independence Avenue becomes the University's permanent address.

1980

The school's name becomes the University of Health Sciences.

1988

Dr. Elmer H. Whitten is inaugurated as the eighth president. University Hospital closes.

1991

John P. Perrin, J.D., becomes the ninth president.

1994

Jack T. Weaver, D.O., becomes the 10th president.

1995

Karen L. Pletz, J.D., is installed as the University's 11th president.

1996

The Educational Pavilion, a four-story, state-of-the-art facility containing classrooms, a library, cafeteria, laboratories and faculty offices, is dedicated. Classes begin on the consolidated campus.

1998

The University receives its first five-year accreditation by the North Central Association of Colleges and Schools.

UHS is one of eight leading medical schools, including Harvard and Vanderbilt, to receive a prestigious John Templeton Foundation Spirituality in Medicine Award.

1999

Dissolution of the separate corporations of the Alumni Association and Foundation brings stronger organization structure to the University.

Alumni Hall is renamed Leonard Smith Hall.

The University joins with seven other leading research institutions in forming the Kansas City Area Life Sciences Institute.

2000

Genesis 2000, a three-year curriculum revision project, is integrated into the first-year curriculum and provides case-based learning with earlier clinical opportunities.

The Mary Lou Butterworth, D.O., Alumni Center is completed.

Campaign 2000, the University's first major capital campaign, is launched.

2001

UHS and Rockhurst University inaugurate a dual-degree D.O.-M.B.A. in healthcare leadership program.

2002

For the first time, alumni giving surpasses the national average – 27 percent.

The University receives its first national challenge grant of \$500,000 from The Kresge Foundation.

2003

The University receives a second Spirituality in Medicine Award from the John Templeton Foundation.

The Educational Pavilion is renamed the Darwin J. and Suzanne Strickland Education Pavilion.

Campaign 2000 ends with more than \$16 million in contributions.

2004

The University launches a Health Policy Institute to lead discussions of national, regional and local health policy issues.

The University's name is changed to Kansas City University of Medicine and Biosciences.

The Paul W. and Mary L. Dybedal Center for Research opens.

2006

The College of Biosciences confers the first master of science in biomedical sciences degrees to 17 students.

The Center for Clinical Competence opens, providing the first center in the region dedicated to human patient simulator and standardized patient programs.

KCUMB launches the public phase of its second capital campaign, *One Vision*.

2007

KCUMB launches a dual-degree program offering students the opportunity to earn a doctor of osteopathic medicine and a master of arts in bioethics.

KCUMB implements an aggressive quality enhancement program to measure and evaluate all aspects of the University.

The University officially opens Weaver Auditorium, a 1,500-seat auditorium named in honor of Jack T. Weaver, D.O., Mary Weaver, Howard D. Weaver, D.O., and Debra S. Albers, D.O.

The Kesselheim Center for Clinical Competence is named in honor of Howard I. Kesselheim, D.O., and his wife, Tina S. Kesselheim.

KCUMB announces a spacious 16,000-square-foot library to be built next to Weaver Auditorium and in honor of Vincent F. D'Angelo, D.O., and his wife, Cleo V. D'Angelo.

2008

KCUMB embarked on a new quality enhancement program and received its first site visit from examiners for the prestigious Missouri Quality Award.

KCUMB officially opened its new primary care office, KCUMB Physician Associates, on the campus of St. Joseph's Medical Center in Kansas City, Mo.

Score 1 for Health, sponsored by KCUMB and the Deron Cherry Foundation, published its inaugural Community Report, which served as a benchmark publication regarding the health of Kansas City's children.

The University introduced Darin L. Haug, D.O., as the new dean of the College of Osteopathic Medicine.

KCUMB's Board of Trustees officially renamed the University's historic administration building the Karen L. Pletz, J.D., Administration Building, in honor of President Pletz's 13 years of leading significant and positive change at KCUMB.

ACADEMIC PROGRAMS

College of Osteopathic Medicine

As the state's largest medical school and the oldest in Kansas City, Mo., KCUMB's College of Osteopathic Medicine has built a 93-year tradition of excellence. A state-of-the-art medical school, the College of Osteopathic Medicine is known for an educational environment emphasizing both academic excellence and the education of caring, compassionate physicians who place patients' needs above all other concerns.

Doctor of Osteopathic Medicine

Through the College of Osteopathic Medicine's progressive and innovative Genesis curriculum, medical students develop clinical decision-making skills using an integrated, patient-centered approach to medicine that eliminates the artificial separation of the basic and clinical sciences.

Students pursuing the four-year doctor of osteopathic medicine program consistently perform well above national averages on board examinations, with 92 percent of KCUMB medical students matching with their first choice for residency programs.

More than 500 of KCUMB's approximately 9,000 College of Osteopathic Medicine graduates currently practice in the greater Kansas City area, and our physician graduates work in a wide range of medical specialties and subspecialties in premier medical centers throughout the United States.

Additional details regarding the doctor of osteopathic medicine program and its curricular requirements may be found beginning on Page 29 of this catalog.

College of Biosciences

With an expanded mission that includes greater emphasis on research and discovery, KCUMB established the College of Biosciences in 2004. The College of Biosciences granted its first diplomas to graduates of the master of science in biomedical sciences program in 2006. The College of Biosciences also granted diplomas to its first master of arts in bioethics students in 2009.

Master of Science in Biomedical Sciences

The College of Biosciences offers a master of science in biomedical sciences. Students interested in pursuing the accredited master of science in biomedical sciences can enroll in either the 12-month or the research track program (about two years).

The 12-month track includes coursework in biochemistry, cell biology, genetics, research design and instrumentation, methodology, epidemiology, physiology, and anatomy and places emphasis on the acquisition of knowledge regarding state-of-the-art research methodologies and protocols, regardless of the field one chooses to enter. The research track targets individuals interested in pursuing careers as research scientists in major laboratories.

Additional details regarding the master of science in biomedical sciences program and its curricular requirements may be found beginning on Page 121 of this catalog.

Master of Arts in Bioethics

KCUMB's College of Biosciences offers students the opportunity to earn a master of arts in bioethics, which explores moral values as they relate to research and the practice of medicine.

The bioethics program provides students with a broad orientation to the interdisciplinary field of bioethics, including both philosophical and religious ethics, as well as contributions from the social sciences and medicine.

The program prepares students to deal with critical ethical issues, such as stem cell research, genetic engineering, end-of-life care, health-care equity and public policy, the globalization of medicine, and the relationship between environmental quality and human health. It is designed to accommodate students with diverse backgrounds and interests, including practicing physicians, nurses, lawyers, chaplains and other health-care professionals, many of who regularly encounter ethical challenges in their work.

Students must complete 30 semester hours of course work, culminating with a three-hour capstone project, which is typically a thesis on a question of special interest to the student. Capstone projects could also include projects such as developing a video or curriculum.

Additional details regarding the master of arts in bioethics program and its curricular requirements may be found beginning on Page 121 of this catalog.

Dual-Degree Programs

In addition to helping students fulfill their dreams of becoming physicians and researchers, KCUMB offers a variety of unique options for those interested in taking their educational experiences to the next level.

D.O./Master of Business Administration in Healthcare Leadership

KCUMB's College of Osteopathic Medicine students can elect to concurrently study the complexities of leadership and management and earn a master of business administration in healthcare leadership through a partnership with Rockhurst University Helzberg School of Management, one of the nation's leading business schools.

The D.O./M.B.A. dual-degree program allows medical students to become conversant in the language of business, with courses in topics such as accounting, economics, finance, human resources, information technology, law, marketing and management.

The master of business administration in healthcare leadership program and course schedule have been tailored to allow KCUMB medical students to complete the program in the same four-year timeframe as the doctor of osteopathic medicine program.

Tuition, financial aid and loan arrangements for the D.O./M.B.A. dual-degree program are coordinated by KCUMB. However, Rockhurst University manages the

registration, curriculum content, and faculty and graduation requirements of the M.B.A. components of the program and awards the M.B.A. degree.

KCUMB students enrolled in the dual KCUMB-Rockhurst M.B.A. program must maintain satisfactory academic progress in the College of Osteopathic Medicine program to continue in the M.B.A. portion of the program. Students failing to maintain satisfactory academic progress will be required to withdraw from the M.B.A. portion of the program. For additional details regarding the D.O./M.B.A. program, please contact the Rockhurst University Graduate College or refer its Web site at <http://www.rockhurst.edu/HSOM/programs/domba/index.asp>.

D.O./Master of Arts in Bioethics

KCUMB's 2007 launch of the region's first graduate-level program in bioethics offers College of Osteopathic Medicine students the opportunity to concurrently earn a master of arts in bioethics, which explores moral values as they relate to research and the practice of medicine.

Students must complete 30 semester hours of course work, culminating with a three-hour capstone project. Additional information may be found in the College of Biosciences section of this catalog, beginning on Page 121.

Accreditation

KCUMB is a private university accredited by the Higher Learning Commission and is a member of the North Central Association of Colleges and Schools and recognized by the Coordinating Board of Higher Education for the Missouri Department of Higher Education.

KCUMB is also accredited by the American Osteopathic Association Commission on Osteopathic College Accreditation. The AOA is the official accrediting agency for osteopathic medicine approved by the United States Department of Education and by the Council of Post-Secondary Accreditation.

Questions or concerns regarding the University's accreditation should be directed to either the Higher Learning Commission of the North Central Association of Colleges and Schools or the American Osteopathic Association.

The American Osteopathic Association
142 East Ontario
Chicago, IL 60611-2864
(800) 621-1773

The Higher Learning Commission of the North Central Association
of Colleges and Schools
30 North LaSalle St., Suite 2400
Chicago, IL 60602-2504
(800) 621-7440

CAMPUS LIFE AND GENERAL INFORMATION

Academic Dishonesty

The University holds its students to the highest standards of intellectual integrity. Therefore, the attempt of any student to pass any examination by improper means, present work which the student has not performed or aid and abet a student in any dishonest act may result in disciplinary action including immediate dismissal. Any student witnessing or observing a perceived violation of academic dishonesty is required to report it as outlined in the *KCUMB Student Handbook* under Student Conduct Guidelines. Students failing to report an observed violation may also receive disciplinary action.

Attendance Policy

KCUMB has an attendance policy for presence at classes, laboratories, educational activities and events. Please refer to the *KCUMB Student Handbook* for specific details.

Bookstore

Matthews Bookstore, located in the Administration Building, sells required texts and reference books, laboratory and clinic coats, supplies, and medical equipment, as well as University clothing, gift items and computer programs.

Cafeteria

The cafeteria is open to students, employees and visitors from 6:30 a.m. to 2 p.m., serving breakfast and lunch, except when posted. It is located in the Strickland Education Pavilion.

Conduct, Responsibility and Discipline

The University expects all students to be responsible individuals who possess the highest standards of integrity, honesty and personal conduct. These traits are prerequisites to independent learning, professional development, the successful performance of academic and clinical assignments, and the conduct of one's personal life. Accordingly, students are expected to adhere to a standard of behavior consistent with the University's high standards at all times off and on campus. Compliance with institutional rules and regulations, in addition to city, state and federal laws, is expected of all students. Additional details regarding student conduct guidelines and the AOA Code of Ethics are posted to the *KCUMB Student Handbook*.

Counseling and Support Services

The University understands the intense environment and extra stress that students experience. Because we know how important it is for students to be emotionally healthy,

KCUMB encourages students to utilize the New Directions program, a free and confidential counseling service available to all students and their families.

Students wishing to take advantage of this University-paid service need to contact the Director of Student Support and Development. All counseling referrals and sessions are confidential and not recorded in the student's file.

Dress Code

All students are expected to maintain the highest standards of professional appearance at all times. During years one and two and while on campus, COM students are required to wear scrubs or white coats with professional dress. All COB students are required to wear professional dress. Appropriate professional dress for all KCUMB students includes business slacks with open-collar shirt for men, and business slacks or skirt with professional shirt or sweater for women. Jeans, tank tops, low-cut shirts, short skirts and hats are not permitted. Appropriate dress for clerkships is addressed during clerkship orientation.

Student identification badges should either be worn or carried by students at all times. ID badges must be presented when requested by any member of KCUMB administration, staff or faculty. Badges are not transferable and must be returned to the Office of the Registrar upon termination of student status. Badges are issued to first-year students free of charge during orientation week. Students are expected to keep their ID badges during their entire educational career at the University. Lost badges must be reported promptly to the Director of Student Activities at ext. 2272. Students may purchase a replacement student ID badge for a fee of \$5.

Employment

Students are strongly discouraged from seeking employment during their four academic years of study. Curriculum requirements generally preclude employment.

Firearms, Explosives and Weapons

The possession, storage or use of firearms, explosives and weapons is strictly prohibited anywhere on campus or while one is engaged in University activities. Firearms, explosives and weapons are defined as, but not limited to, the following: revolvers, pistols, BB guns, pellet guns, air pistols, air rifles, stun guns, paint pellet guns, chemical weapons, knives, slingshots, firecrackers, fireworks, fire bombs, smoke bombs, blasting caps and ammunition. Toy weapons that look like real weapons are similarly prohibited on campus. Infraction of these regulations may result in the immediate suspension or expulsion of the violator(s).

Learning Enhancement and Support Services

The University is aware that academic challenges faced by students are potentially very intense. It is possible that this experience will be the first that seriously challenge

some students. Academic skills, including time management, study skills and test-taking skills, may need to be improved to achieve maximum success. Students seeking assistance in these areas are encouraged to pursue the following University-supported services.

A learning/education specialist is available to offer academic skills workshops, in addition to providing individual academic support as needed. It is suggested that students seek this support at the first sign of concern about academic performance abilities.

The Supplemental Instructor program provides limited tutoring at no cost to KCUMB students. Students are encouraged to request confidential tutoring at the first sign of poor academic performance or learning challenges.

Library

The KCUMB Library is open to students, faculty and associates from 7 a.m. to midnight Monday-Thursday, 7 a.m. to 6 p.m. Friday, 9 a.m. to midnight on Saturday and noon to midnight on Sunday. Special hours during vacation periods and holidays are posted in advance at the front entrance and by e-mail notification. Trained Library associates are available to answer questions and assist customers at all times. Reference requests are accepted by phone, mail, e-mail or in person. A variety of medical, biological, scientific, educational, and informational online databases and Web sites, including the National Library of Medicine databases, are available to access through the Library Web site.

The Library provides photocopying capabilities at the nominal charge of five cents a copy. All photocopying in the Library is subject to the provisions of the U.S. Copyright Law (Title 17 U.S. Code). The Library does not give change for the use of the photocopy machine. Students are required to have exact change to use the copier (nickels, dimes, quarters, dollar bills).

The GoPrint system allows each student 2,000 free copies of printing per academic year. If the allotment is not used, it will not carry over into the next academic year. After the allowed amount has been used, there is a charge of eight cents per page regardless of whether one side or two sides are used. Extra GoPrint cards may be purchased at the Revalue Station located near the printers. The Revalue Station cards must be purchased with a single dollar bill, as the Revalue Station can only accept paper currency. Each card costs \$1 and will have a credit of 50 cents. Once the card has been purchased, it can be used multiple times to purchase additional printing for any amount. Cards are treated like cash. The cardholder may use it at any GoPrint Pay/Release Station.

The first floor of the KCUMB library contains:

- Computer Center (16 computers, four printers)
- Lounge Area (assorted newspapers and periodicals)
- Conference/Study Room
- Audiovisual/Interactive Media Center
- Photocopy Machine

- Two GoPrint Pay/Release Stations and One Revalue Station
- Student Fax Machine
- Student Scanner
- Osteopathic Collection
- Historical Medical Reference Collection
- CD/DVD, Slide, Audiocassette and Videocassette Collections
- Circulation Desk
- Office of the Director of the Library
- Office of the Digital Services/Reference Librarian
- Office of the Cataloger/Serials Librarian
- Interlibrary Loan Services
- Reference Collection
- Reserve Collection
- Model Collection
- Study Carrels
- Two Ethernet Laptop Computer Connections
- Wireless Access
- Basic Science Book Collection
- Fiction Collection (donated and shared by students)

The second floor of the Library contains:

- Clinical Science Book Collection
- Eight Ethernet Laptop Computer Connections
- Wireless Access
- Periodical Collection
- Study Carrels
- Computer Center (two computers)

To better serve its customers, the Library has created a Web site. The Library's Web address is <http://www.kcumb.edu/library>. The Web site contains the link to the KCUMB Library Online Catalog. Customers can review new materials received by the Library during the previous four weeks through the "New Acquisitions" tab. Students can renew their materials online using the "My Account/Renewals" tab.

Some of the electronic resources accessed through the KCUMB Library Web site are:

- E-Journals
- E-Books
- Helpful Links (Board Review Resources, Osteopathic Resources, Libraries/Institutions, Helpful Web sites, Online Dictionaries)
- CrossSearch (simultaneous database/resource searching)
- AccessMedicine (McGraw-Hill e-books, including Harrison's Online, USMLEasy and much more)
- AccessSurgery (McGraw-Hill surgery e-books, operations, procedures and much more)
- AltHealthWatch (complementary, alternative and integrated approaches to health care and wellness)

- Clinical Pharmacology/PIER (drug information database combined with clinical information)
- Encyclopedia of Life Sciences (covers biological and microbiological subject matter)
- ERIC (Education Resources Information Center)
- Exam Master (practice resource for taking the Boards)
- Google Scholar (search engine for scholarly research literature)
- Human Anatomy (online interactive dissection tutorial and reference program)
- Images.MD (more than 70,000 high quality medical images)
- MDConsult/FirstConsult (searches evidence-based clinical information, along with providing full-text access to many periodicals and e-books)
- MedCases (interactive Web-based program with simulated patient encounters and clinical cases)
- Medical Letter (summarizes vital drug facts)
- OSTMED.DR (Osteopathic literature)
- OVID (online medical research tool)
- PubMed (National Library of Medicine Database)
- SportDiscus (bibliographic database, international in scope, covering all aspects of sport, fitness recreation and related fields)
- UpToDate (clinical reference)

The accessibility of materials to the largest number of customers is the prime consideration in the circulation policies of the Library. A quiet academic environment conducive to study and research will be maintained. Detailed information regarding this expectation and other Library rules and regulations are posted in the *Student Handbook*.

Lost and Found

Lost and found services are administered by the Security Department, which is located on the first floor of the Administration Building. Unclaimed items will be disposed of after six months.

Mailboxes/Lockers

Mailboxes for COM students are located on the first floor of the Administration Building. Lockers for COM students are located in Smith Hall and the Strickland Education Pavilion for storage use. Students are allowed to use one locker and are responsible for supplying their own lock. Security, with the guidance of the Office of Student Affairs, has the authority to cut off any lock that is not registered with the office. Lockers with mail slots for COB (biomedical sciences and bioethics) students are located in the lecture hall. The Office of Student Activities will issue respective students their mailbox numbers and combinations. Mailboxes should be checked once a week at a minimum. Students who do not check their mailboxes frequently may face disciplinary actions and lose privileges.

Mentoring Services

In addition to faculty advisors, KCUMB offers all medical students two other mentoring options. All first-year students are assigned to a Big Brother/Big Sister, who is a second-year student. Students are also encouraged to participate in alumni mentoring opportunities sponsored by the Advancement and Alumni Relations Office.

Non-Discrimination Policy

KCUMB is committed to providing an academic and employment environment in which students and employees are treated with courtesy, respect and dignity. It is the policy of the University that no student shall, because of gender, race, color, creed, handicap or national origin, be excluded from participation in, be denied the benefit of or be subjected to discrimination in any program sponsored by the University. Inquiries regarding compliance must be directed to the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, who is the coordinator of the University's non-discrimination program.

Inquiries regarding compliance with the sex discrimination provisions of Title IX of the Education Amendments of 1972 and Handicap Discrimination provision of Section 504 also may be directed to the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, or to:

Director of Civil Rights
United States Department of Education
Region VII
Kansas City, MO 64106

Office of Student Affairs

The Office of Student Affairs provides assistance to students throughout their tenure at the University. The office assists the administration in interpreting student needs and concerns.

Parking

The University makes parking available for employees and students. Each parking area has been designated for a group of individuals and is identified as reserved, visitor, employee or student. Parking choices are available to individuals on a first-come, first-serve basis, except those individuals who are assigned reserved parking spaces within the designated parking lot.

Policies

The University Catalog provides academic program information, curriculum requirements and general rules, regulations and policies that govern the academic enterprise. However, it is not intended to be an all-encompassing document. There are

two other University publications that outline student expectations; these include the *Student Handbook* and the *Office of Community Clinical Education (OCCE) Policies and Procedures Manual*.

The *KCUMB Student Handbook* covers policies governing student conduct and responsibilities. The *Handbook* is published yearly and may be amended at any time without prior notice.

The *Office of Community Clinical Education Policies and Procedures Manual* is prepared under the auspices of the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine. This document governs policies and practices for clinical clerkships.

Programmatic Concerns

Concerns that relate to the quality of the COM educational program, accreditation standards and/or are beyond the scope of the Office of Student Affairs may be submitted in writing to the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine. The Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine will respond to any written request in a timely manner, providing information about adjudication and resolution of the concern to the submitting student. A log of concerns submitted by students will be maintained by the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine and will be utilized for quality and performance improvement.

Publications/Media Relations

The printing or distribution of any publication, or the use of the University name, logo or seal by students, must have the prior approval of the Executive Director of Marketing.

Students, faculty and associates are required to refer media inquiries to the Executive Director of Marketing, thereby ensuring that timely and accurate information, delivered in a professionally accepted format, will reach the local and national media to help KCUMB communicate with its various constituencies.

Regularly scheduled publications include *FYI*, the campus newsletter; the *KCUMB Communicator*, the alumni magazine; the *KCUMB College Catalog*; and the *KCUMB Student Handbook*. Other publications fulfill specific recruitment, fund-raising and public relations needs.

Research

KCUMB encourages and is actively involved in basic science, clinical and curriculum research.

Security and Safety on Campus

Kansas City University of Medicine and Biosciences is located in a metropolitan area. While KCUMB has instituted certain security measures for student safety, students are encouraged to keep vehicles locked, personal items out of sight, and remain alert and cautious when on campus. To request a security escort to your car or to reach an officer, call security at Ext. 2399 or (816) 283-2399. If you have difficulty reaching security, call the telecommunications specialist at “o” or (816) 283-2000. A security officer can also be paged by calling (816) 881-9118.

The KCUMB campus security operates 24 hours a day, seven days a week. Security officers routinely patrol the campus to detect and deter crime. They are readily available to help in emergencies and to render assistance in motorist assists and escorts. The department also enforces parking regulations and serves as the repository for lost and found items.

Defibrillator devices are strategically placed on campus and include a mobile device carried by a security officer. The Basic Sciences Department is charged with maintenance and care for the defibrillators, and also provides specialized training for the Security Department and associates interested in qualifying as first responders.

Emergency Blue Light Phones are available in all student parking lots. These two-way call boxes allow individuals to speak directly to an on-duty security officer in the event of an emergency.

Fire exits and fire extinguishers are located in all buildings. If evacuation of a building becomes necessary, please use the stairways. Elevators should not be used under any circumstances. Tampering with fire alarms or fire prevention equipment is forbidden and may result in dismissal.

Emergency Disaster Plan

All emergencies on the KCUMB campus should be reported immediately by dialing 911 and dialing 816-283-2399 for Security. Upon notification of an emergency, the security officer on duty will respond to the scene to confirm that emergency or disaster conditions exist. A follow-up call will be made to emergency responders via 911 to assure the response and give directions needed. Security will contact a member of the Emergency Management Group and, if practical, secure the scene to prevent further injuries or damage. The security officer will, as soon as practical, contact the Director of Security or the next highest-ranking Security official.

Smoking

Effective Jan. 1, 2008, KCUMB is a smoke-free campus.

Solicitation, Vending and Petitions

Solicitations on campus are prohibited. University-endorsed organizations must complete a fund-raising event approval form in the Office of Student Affairs before selling anything on or off campus. If organizations are holding an approved fund-raising

event on campus, they must complete an extended hour's form and obtain the signature of the Director of Student Activities. All requests seeking donations from alumni, corporations, local businesses or other external constituents must be approved in advance by the Office of Advancement. Any person or group not endorsed by KCUMB who wishes to make a presentation, sell products or distribute information must submit a request in writing to the Administrative Team, in care of the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies. This policy includes the distribution of information, posting information on bulletin boards and any use of the facilities. All petitions and questionnaires (with the exception of those distributed by KCUMB departments) being distributed to students must be approved by the Vice President for Student Affairs.

Sports Facility

Fitness Center

The Fitness Center is located in the basement of the Strickland Education Pavilion and is open to students, staff and faculty only (this excludes family members and friends). The facility is managed and maintained by the KCUMB Physical Facilities Department. A waiver must be signed and returned to the KCUMB Physical Facilities Department (third floor Administration Building), prior to use of the facility.

Students are expected to respect the facility and equipment, and leave it in the condition it was in prior to their workout. Students failing to show respect for the facility or abusing the equipment may face disciplinary actions.

The stereo in the Fitness Center is programmed to shut off during classroom hours and turn on automatically in order to prevent disruptions in Ricci Auditorium. TVs will remain at normal volume levels at all times. Any equipment problems should be promptly reported to the Physical Facilities Department at ext. 2315.

Basketball Courts

Three basketball courts, located at the south end of the parking lot off of Highland and Admiral, are available for current KCUMB students, faculty and staff ONLY. Hours of use are 11 a.m. - 8 p.m. weekdays and 8 a.m. - 8 p.m. weekends (unless modified hours are posted). Basketballs and air pumps are available at the front desk of Smith Hall. The password for the entrance gate will be changed periodically and will be posted by Student Affairs. Security should be contacted if there is difficulty using the password. All students must notify Security (ext. 2399) when going to and leaving the courts. The following guidelines must be followed:

- Travel in pairs
- Leave belongings locked up out of sight in car or in campus lockers. If you must take items with you, be sure to keep at least 10 feet away from the fence.
- Make sure the gate locks behind you when entering and leaving.
- Basketball only on courts – no skateboards, etc.
- No alcohol

- No trash talking or inappropriate attire
- Absolutely no pick up games with neighborhood or any non-KCUMB students. A call box is located in the parking lot and goes directly to Security. (Please use the call box if needed.)

Security will ask you to leave if any of the above guidelines are not followed.

Student Government Association

Upon enrollment, all KCUMB students become members of the Student Government Association (SGA). The representative governing body of the SGA is the Student Senate. The Student Senate consists of six COM representatives and four officers from each COM class, as well as two representatives of each graduate program. An executive council consisting of the president, vice president, secretary and treasurer presides over the Student Senate. Each class elects representatives and class officers according to the SGA constitution.

An activity fee, paid by each student, finances SGA activities and SGA chartered organizations. The primary function of the SGA is to serve as a liaison between the students, faculty and administration. Student Senate members serve on administration and faculty committees, and help to bring about changes that will benefit the student body as a whole.

The Council of Presidents is an SGA committee composed of the presidents of all SGA chartered organizations and recognized special interest groups. It was established to assist these organizations in coordinating and organizing various activities.

Student Health Center

The Student Health Clinic (SHC) is located on the first floor of the Dybedal building. The Clinic operates Monday through Friday from August through May when classes are in session. (The clinic is closed on University holidays). The Clinic is open from 7:30-9 a.m. The Student Health Clinic is for University students only. No spouses or children will be seen by a physician in the SHC. In order to be evaluated in the SHC, students must complete a Student Health Clinic history background form (available during Orientation Week and at the Clinic).

The Student Health Care Clinic offers only acute care. It is on campus to provide students with convenient care. It is not the purpose of the SHC to provide care or prescriptions for chronic or ongoing medical conditions. For additional details about the Student Health Clinic, please refer to the *Student Handbook*.

University Property and Responsibility

Students are responsible for damage to University property caused by negligence or a willful act. Students must pay for damages within 15 days after receipt of invoice. Damage to University property is charged to the student(s) responsible at the total cost of repair or replacement. The student(s) will be subject to disciplinary action, dismissal and/or prosecution on criminal charges. The University is not responsible for the

damage, loss or theft of personal property under any condition. The University is also not responsible for the payment of medical services not performed on campus. This includes medical services at KCUMB Physician Associates.

Web Site (www.kcumb.edu)

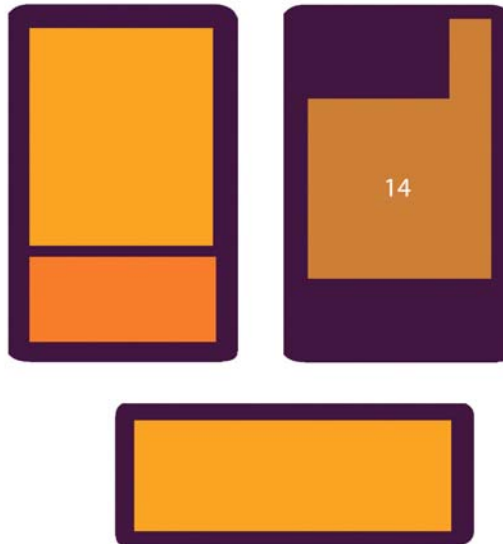
The goal of the KCUMB Web site is to inform the general public about KCUMB and to provide KCUMB constituents with valuable resources and information. The KCUMB Web site serves as the portal for many other applications, such as the KCUMB e-mail system, Blackboard, Stillpoint, the Alumni Online Community, etc.

Blackboard Online Education (blackboard.kcumb.edu)

Blackboard is the online, distance education software package that KCUMB uses to provide supplemental instruction to students. Blackboard is an integral part of the multimedia learning process. Students are required to check Blackboard for all MSI and MSII class and schedule information.

FACILITIES

Campus Map



Karen L. Pletz, J.D., Administration Building

The Karen L. Pletz, J.D., Administration Building houses the administrative offices and support facilities of the University.

Annex

The University Annex houses Classroom A (a 220-seat lecture hall) and Classroom B (a 250-seat lecture hall).

Mary Lou Butterworth, D.O., Alumni Center

The Mary Lou Butterworth, D.O., Alumni Center is the gateway to the Kansas City University of Medicine and Biosciences campus. As a gathering place for students, faculty, alumni and friends, the Alumni Center provides the opportunity for the greater University community to share experiences, build friendships and develop the future together. The Alumni Center serves as the home of the Alumni Relations and University Advancement Offices. The center also provides ample meeting space for continuing medical education courses, reunion activities and other special events.

Kesselheim Center for Clinical Competence

Opened in 2006, the Kesselheim Center for Clinical Competence houses the University's Standardized Patient Program and Human Patient Simulator Program.

Paul and Mary Dybedal Center for Research

Opened in 2004, the Paul and Mary Dybedal Center for Research houses basic and clinical research laboratories, the University's Information Technology Department and the Score 1 for Health program. The building also houses classrooms for biomedical sciences and bioethics students.

Leonard Smith Hall

Renovated in 1993, Leonard Smith Hall houses state-of-the-art computer technologies, including individual computer rooms and three large computer-supported audiovisual rooms, all networked and supported by a file server and software library. This Academic Resource Center also houses a student study hall and locker rooms.

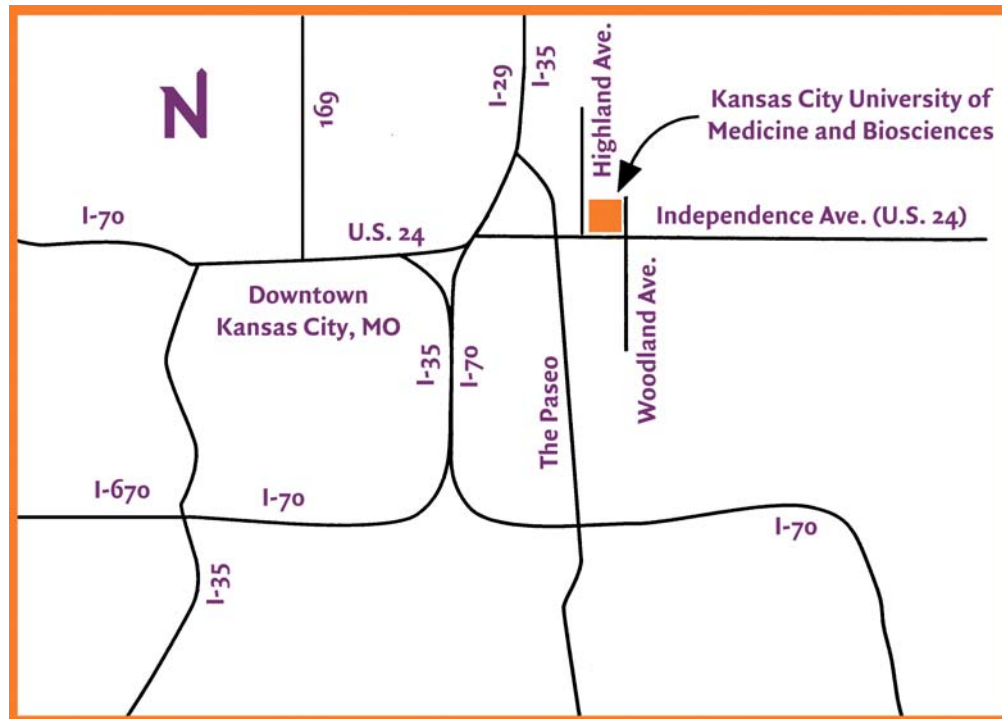
Strickland Education Pavilion

Strickland Education Pavilion, completed in 1996, houses a 273-seat lecture hall; the anatomy, biochemistry, microbiology, pharmacology and physiology laboratories; an animal care facility; faculty offices; the Osteopathic Clinical Skills laboratory; the campus cafeteria; the library; and the gym.

Weaver Auditorium

The opening of the 1,500-seat Weaver Auditorium in 2008 marked a significant milestone, enabling the University's White Coating and Commencement ceremonies to be hosted on campus for the first time in KCUMB's history. The auditorium is the centerpiece in a complex that will also include a new student activities center and a new campus library.

Directions to KCUMB



From the North:

Burlington Avenue/Route 9 South
Turn Left onto Admiral Boulevard
Turn Left onto Paseo Boulevard
Turn Right on Independence Ave. (also 24 Hwy)

From the East:

I-70 West
Take Exit 3A (The Paseo exit/North)
Turn Right and go eight blocks (to the seventh stop light)
Turn Right on Independence Ave. (also 24 Hwy)
Turn Left onto Woodland

From the West:

I-70 East

Take Exit 2H (24 Hwy East)

Turn Right onto Independence Ave. (24 Hwy)

Take Independence Ave to fourth stoplight

Turn left onto Woodland

From the Southwest:

I-35 North or I-670 East

Take I-70 East

Move to the left lane immediately

Take 2N Exit, which is I-35 North

Take 2H Exit, which is Admiral Blvd.

Go across Admiral Blvd. to next intersection

Turn Right on Independence Ave (also 24 Hwy)

Take Independence Ave to fourth stoplight

Turn left onto Woodland

COLLEGE OF OSTEOPATHIC MEDICINE

ACADEMIC CALENDAR AND COURSE SCHEDULE

2009-2010

COM Academic Calendar

Summer Semester (June 1 – July 31, 2009)

July 1 MSIV Clerkships Begin

Fall Semester (Aug. 3 - Dec. 18, 2009)

Aug. 3 MS I and II Orientation and Registration
Aug. 4 MSII Classes Begin
Aug. 6 MS I White Coating Ceremony
Aug. 10 MSI Classes Begin
Aug. 5 School Picnic – University Closed at 11 a.m.
Sept. 1 MSIII Clinical Clerkships Begin
Sept. 7 Labor Day – University Closed
Sept. 9 Homecoming Golf Tournament – No Classes
Sept. 11-13 Homecoming Celebration – No Classes
Sept. 18 Hospital Day (8 a.m.-noon)
Oct. 19-30 Professional Enrichment Program III (MSII)
Oct. 26-29 Professional Enrichment Program I (MSI)
Nov. 26-27 Thanksgiving Break – University Closed
Dec. 11 MSI and MSII Final Week of Scheduled Classes
Dec. 18 Winter Break Begins

Spring Semester (Jan. 4 – May 28, 2010)

Jan. 4 MSI and MSII Classes Begin
Jan. 18 Martin Luther King Day – University Closed
Feb. 15-19 Professional Enrichment Program (MSI)
Feb. 22-26 MSI and MSII Spring Break
Mar. 1-12 Professional Enrichment Program IV (MSII)
Mar. 19 Research Day (tentative)
April 30 MSIV Clerkships End
May 10-13 Clinical Skills Assessment I (MSI)
May 10-14 Graduation Week
May 15 Commencement
May 17-28 Professional Enrichment Program V (MSII)
May 28 End of Spring Semester (MSI and MSII)

Summer Semester (June 1 - July 30, 2010)

June 1 Remediation Begins
June 1-11 Professional Enrichment Program – Clinical (MSII)

June 4	MSI Cumulative Exam
June 30	MSIII Clerkships End
July 5	Independence Day – University Closed
July 30	End of Summer Semester (MSI and MSII)

COM Section and Exam Schedule

Fall 2009

MSI

Aug. 10	MED 101: Foundation of Medicine and OSC 101: Osteopathic Clinical Skills I Begin
Sept. 8-11	Section Final Exam Week
Sept. 14	MED 102: Musculoskeletal Begins
Oct. 19-23	Section Final Exam Week
Oct. 26-30	Professional Enrichment Program I
Nov. 2	MED 107: Cardiopulmonary I Begins
Nov. 26-27	Thanksgiving Holiday; No Class
Dec. 7-11	Final Exam Week
Dec. 14-18	Semester Remediation

MSII

Aug. 4	MED 211: Neuroscience I and OCS 201: Osteopathic Clinical Skills III Begin
Sept. 8-11	Section Final Exam Week
Sept. 14	MED 212: Neuroscience II Begins
Oct. 12-16	Section Final Exam Week
Oct. 19-30	Professional Enrichment Program III
Nov. 2	MED 210: Skill, Blood and Lymph Begins
Dec. 7-11	Final Exam Week
Dec. 14-18	Semester Remediation

Spring 2010

MSI

Jan. 4	MED 109: Cardiopulmonary II and OCS 102: Osteopathic Clinical Skills II Begin
Feb. 8-12	Section Final Exam Week
Feb. 15-19	Professional Enrichment Program II
Feb. 22-26	Spring Break; No Class
Mar. 1	MED 106: Gastrointestinal Begins
Apr. 5-9	Section Final Exam Week
Apr. 12	MED 108: Renal Begins
May 10-14	Clinical Skills Assessment Period
May 24-28	Section Final Exam Week

MSII

Jan. 4-8	OSC 202: Osteopathic Clinical Skills IV Begins
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Jan. 11	MED 202: Endocrine Begins
Feb. 15-16	Section Final Exam Week
Feb. 22-26	Spring Break; No Classes
Mar. 1-12	Professional Enrichment Program IV
Mar. 15	MED 203: Reproduction and Development Begins
May 3-7	Section Final Exam Week
May 10-14	Graduation Week Activities; No Classes
May 17-28	Professional Enrichment Program V

Summer 2010

MSI

June 1	Remediation Programming Begins
June 4	Cumulative Exam

MSII

June 1	Remediation Programming Begins
June 1-11	Professional Enrichment Program – Clinical

COM OSTEOPATHIC MEDICINE

How Did Osteopathic Medicine Originate?

In the mid-1800s, Andrew Taylor Still, M.D., became disillusioned with contemporary medical “remedies” that involved such nefarious practices as bleeding, purging and drugging. For 10 years, Dr. Still studied, observed and experimented, and in June 1874, he unveiled a new medical philosophy – a philosophy that emphasized the revolutionary concepts of holism, prevention and manipulation. He named this philosophy osteopathic medicine.

What is Osteopathic Medicine?

The premise of osteopathic medicine is that people are more than just the sum of their body parts. That is why doctors of osteopathic medicine (D.O.s) practice a whole-person approach to medicine. Instead of just treating specific symptoms, osteopathic physicians concentrate on treating patients as a whole.

Osteopathic physicians understand how all body systems are interconnected and how each one affects the others. They focus special attention on the musculoskeletal system, which reflects and influences the condition of all other body systems.

This system of bones and muscles makes up about two-thirds of the body’s mass, and a routine part of the osteopathic patient examination is a careful evaluation of these important structures. D.O.s know that the body’s structure plays a critical role in its ability to function. They can use their eyes and hands to identify structural problems and to support the body’s natural tendency toward health and self-healing.

Doctors of osteopathic medicine help patients develop attitudes and lifestyles that don’t just fight illness, but help prevent it. Millions of Americans prefer this concerned and compassionate care and have made D.O.s their doctors for life.

Osteopathic Physicians

An osteopathic physician is a graduate of one of the osteopathic medical schools in the United States. These medical schools espouse the osteopathic philosophy and generally teach a four-year curriculum, which embraces preventive medicine and holistic patient care. Medical students learn to integrate osteopathic principles and techniques into the diagnosis and treatment of disease.

The osteopathic physician may complete an AOA-accredited, “tracked” internship, or enter an ACGME-accredited residency in a specialty area following graduation.

The osteopathic physician who chooses to enter a residency following graduation has the full range of medical specialties available for selection. Residencies can range from three to six years of additional training, and the “tracked” internship year may be applied to the first year of residency. All physicians (D.O. and M.D.) must pass a three-part medical board examination to obtain a license and practice medicine.

Osteopathic physicians (D.O.) and allopathic physicians (M.D.) are the only two medical practitioners considered “complete physicians” with full training and licensure to prescribe medications and perform surgery. Osteopathic physicians have opportunities to practice in all branches of medicine and surgery, from psychiatry to obstetrics, and from geriatrics to emergency medicine. Nationally, a high percentage of osteopathic physicians are primary care or family medicine oriented, and many practice in small towns and rural areas, where their practices include entire families and whole communities. KCUMB graduates enter a variety of specialties, including primary care.

KCUMB Osteopathic Medical Student Oath of Commitment

As I embark upon the study of medicine at Kansas City University of Medicine and Biosciences’ College of Osteopathic Medicine, I will enter into a relationship of mutual respect with my teachers and my colleagues to enhance the learning environment and gain the knowledge, skills and attitudes of an exemplary physician. I accept responsibility only for those matters for which I am competent, maintaining the trust expected of a physician. I will be ever cognizant of the human and medical needs of each patient acknowledging that healing also involves the spirit and that a physician must exemplify humane, holistic and compassionate care. I will value the knowledge and wisdom of the physicians who have preceded me and endeavor to contribute to this tradition. I will recognize my strengths and my weaknesses and strive to develop those qualities that will earn the respect of my patients, my colleagues, my family and myself. I will continue this learning throughout all the days of my life.

The Osteopathic Oath

I do hereby affirm my loyalty to the profession I am about to enter.

I will be mindful always of my great responsibility to preserve the health and the life of my patients, to retain their confidence and respect both as a physician and a friend who will guard their secrets with scrupulous honor and fidelity, to perform faithfully my professional duties, to employ only those recognized methods of treatment consistent with good judgment and with my skill and ability, keeping in mind always nature’s laws and the body’s inherent capacity for recovery.

I will be ever vigilant in aiding in the general welfare of the community, sustaining its laws and institutions, not engaging in those practices, which will in any way, bring shame or discredit upon myself or my profession. I will give no drugs for deadly purposes to any person, though it be asked of me.

I will endeavor to work in accord with my colleagues in a spirit of progressive cooperation, and never by word or by act cast imputations upon them or their rightful practices.

I will look with respect and esteem upon all those who have taught me my art. To my college I will be loyal and strive always for its best interests and for the interests of the students who will come after me. I will be ever alert to further the application of basic

biologic truths to the healing arts and to develop the principles of osteopathy which were first enunciated by Andrew Taylor Still.

AOA Code of Ethics

The American Osteopathic Association has formulated this Code to guide its member physicians in their professional lives. The standards presented are designed to address the osteopathic physician's ethical and professional responsibilities to patients, to society, to the AOA, to others involved in healthcare and to self.

Further, the American Osteopathic Association has adopted the position that physicians should play a major role in the development and instruction of medical ethics.

Section 1. The physician shall keep in confidence whatever she/he may learn about a patient in the discharge of professional duties. The physician shall divulge information only when required by law or when authorized by the patient.

Section 2. The physician shall give a candid account of the patient's condition to the patient or to those responsible for the patient's care.

Section 3. A physician-patient relationship must be founded on mutual trust, cooperation and respect. The patient, therefore, must have complete freedom to choose her/his physician. The physician must have complete freedom to choose patients whom she/he will serve. However, the physician should not refuse to accept patients because of the patient's race, creed, color, sex, national origin or handicap. In emergencies, a physician should make her/his services available.

Section 4. A physician is never justified in abandoning a patient. The physician shall give due notice to a patient or to those responsible for the patient's care when she/he withdraws from the case so that another physician may be engaged.

Section 5. A physician shall practice in accordance with the body of systematized and scientific knowledge related to the healing arts. A physician shall maintain competence in such systematized and scientific knowledge through study and clinical applications.

Section 6. The osteopathic medical profession has an obligation to society to maintain its high standards and, therefore, to continuously regulate itself. A substantial part of such regulation is due to the efforts and influence of the recognized local, state and national associations representing the osteopathic medical profession. A physician should maintain membership in and actively support such associations and abide by their rules and regulations.

Section 7. Under the law a physician may advertise, but no physician shall advertise or solicit patients directly or indirectly through the use of matters or activities, which are false or misleading.

Section 8. A physician shall not hold forth or indicate possession of any degree recognized as the basis for licensure to practice the healing arts unless he is actually licensed on the basis of that degree in the state in which she/he practices. A physician shall designate her/his osteopathic school of practice in all professional uses of her/his name. Indications of specialty practice, membership in professional societies, and

related matters shall be governed by rules promulgated by the American Osteopathic Association.

Section 9. A physician should not hesitate to seek consultation whenever she/he believes it advisable for the care of the patient.

Section 10. In any dispute between or among physicians involving ethical or organizational matters, the matter in controversy should first be referred to the appropriate arbitrating bodies of the profession.

Section 11. In any dispute between or among physicians regarding the diagnosis and treatment of a patient, the attending physician has the responsibility for final decisions, consistent with any applicable osteopathic hospital rules or regulations.

Section 12. Any fee charged by a physician shall compensate the physician for services actually rendered. There shall be no division of professional fees for referrals of patients.

Section 13. A physician shall respect the law. When necessary a physician shall attempt to help to formulate the law by all proper means in order to improve patient care and public health.

Section 14. In addition to adhering to the foregoing ethical standards, a physician shall recognize a responsibility to participate in community activities and services.

Section 15. It is considered sexual misconduct for a physician to have sexual contact with any current patient whom the physician has interviewed and/or upon whom a medical or surgical procedure has been performed.

Section 16. Sexual harassment by a physician is considered unethical. Sexual harassment is defined as physical or verbal intimation of a sexual nature involving a colleague or subordinate in the workplace or academic setting, when such conduct creates an unreasonable, intimidating, hostile or offensive workplace or academic setting.

Section 17. From time to time, industry may provide some AOA members with gifts as an inducement to use their products or services. Members who use these products and services as a result of these gifts, rather than simply for the betterment of their patients and the improvement of the care rendered in their practices, shall be considered to have acted in an unethical manner. (Approved July 2003)

Section 18. A physician shall not intentionally misrepresent himself/herself or his/her research work in any way.

Section 19. When participating in research, a physician shall follow the current laws, regulations and standards of the United States or, if the research is conducted outside the United States, the laws, regulations and standards applicable to research in the nation where the research is conducted. This standard shall apply for physician involvement in research at any level and degree of responsibility, including, but not limited to, research, design, funding, participation either as examining and/or treating provider, supervision of other staff in their research, analysis of data and publication of results in any form for any purpose.

KCUMB Professionalism, Competencies and Student Outcomes

KCUMB's six core values include leadership, humility, faith and positivity, integrity, compassion and service. With emphasis on service, the University believes in graduating students who can provide exemplary and professional care to their patients. The primary goal of the professionalism program is to teach, evaluate and reinforce professional behavior.

At KCUMB, students are expected to be responsible individuals who possess the highest standards of integrity, honesty and personal conduct. Accordingly, students are expected to comply with institutional rules and to uphold and carry out the high standards of the osteopathic medical profession.

KCUMB has an active Quality Enhancement program. The quality enhancement process engages all stakeholders in the assessment and improvement of the educational processes that support the delivery of University curricula. Specially, assessment focuses on the following:

- Mission and Planning
- Governance
- Student Outcomes
- Curricula
- Leadership, Community Service and Social Responsibility
- Support Services
- Resource Allocation and Program Costs
- Faculty and Staff
- Contributions to other programs
- Student, Stakeholder and Market Focus
- Research and Scholarship

Students are an integral part of the University's Quality Enhancement process, as such students are occasionally asked to complete surveys, participate in focus groups or serve on committees responsible for academic quality improvement. In fact, students are encouraged to participate and participation is considered to be an important component of professionalism.

Students can be assured that their participation in all quality enhancement processes is confidential; all information utilized is strictly guarded to ensure anonymity.

The College of Osteopathic Medicine's Genesis curriculum was designed to ensure graduates are able to demonstrate specific skills. The College has identified select educational objectives that serve as the foundation of the curriculum. At a minimum, a graduate must be able to:

1. Demonstrate basic knowledge of osteopathic philosophy and practice and osteopathic manipulative treatment;
2. Demonstrate medical knowledge through one or more of the following:
Passing of course tests, standardized tests of the NBOME, post-core clerkship tests, research activities, presentations, and participation in directed reading programs and/or journal clubs; and/or other evidence based medical activities;

3. Demonstrate interpersonal and communication skills with patients and other health-care professionals;
4. Demonstrate knowledge of professional, ethical, legal, practice management, and public health issues applicable to medical practice;
5. Demonstrate basic support skills as assessed by nationally standardized evaluations.

In addition, the College of Osteopathic Medicine's curriculum prepares students for graduate medical education. Graduates meet the following minimal competencies:

Competency 1: Osteopathic Philosophy and Osteopathic Manipulative Medicine

Graduates are expected to demonstrate and apply knowledge of accepted standards in Osteopathic Manipulative Treatment (OMT). The education goal is to train a skilled and competent osteopathic practitioner who remains dedicated to life-long learning and to practice habits consistent with osteopathic principles and practices.

Competency 2: Medical Knowledge

Graduates are expected to demonstrate and apply knowledge of accepted standards of clinical medicine in their respective specialty area, remain current with new developments in medicine, and participate in life-long learning activities, including research.

Competency 3: Patient Care

Graduates must demonstrate the ability to effectively treat patients, provide medical care that incorporates osteopathic principles and practices, empathy, awareness of behavioral issues, preventive medicine and health promotion.

Competency 4: Interpersonal and Communication Skills

Graduates are expected to demonstrate interpersonal and communication skills that enable them to establish and maintain professional relationships with patients, families and other members of health care teams.

Competency 5: Professionalism

Graduates are expected to uphold the Osteopathic Oath in the conduct of their professional activities that promote advocacy of patient welfare, adherence to ethical principles, collaboration with health professionals, life-long learning, and sensitivity to diverse patient populations. Graduates should be cognizant of their own physical and mental health in order to effectively care for patients.

Competency 6: Practice-Based Learning and Improvement

Graduates must demonstrate the ability to critically evaluate their methods of clinical practice, integrate evidence-based medicine into patient care, show an understanding of research methods, and improve patient care practices.

Competency 7: Systems-Based Practice

Graduates are expected to demonstrate an understanding of health-care delivery systems, provide effective and qualitative patient care with the system, and practice cost-effective medicine.

COM ADMISSIONS

General Introduction

The Admissions Office prides itself in delivering professional service to all applicants. The office is mindful that for applicants, the lack of knowledge about the way the application process works can be stressful. Consequently, applicants are encouraged to visit the KCUMB Web site (www.kcumb.edu) to review the application process and most frequently asked questions for clarification. Applicants are also welcome to contact the Admissions Office directly. Patrons, whether they are inquirers, applicants or students, will find the Admissions Office to be professional, knowledgeable and very approachable.

KCUMB is a private institution and encourages applications from qualified students who are interested in pursuing a career in osteopathic medicine, regardless of their state of permanent residence.

Admissions personnel are available to respond to your calls between 8 a.m. and 4 p.m. Central Time at (800) 234-4847 or (816) 283-2351.

Minimum Technical Standards for Admission and Matriculation

KCUMB is committed to the admission and matriculation of qualified applicants and acknowledges awareness of laws that prohibit discrimination against anyone on the basis of race, color, national origin, age, religion, sex or disability.

The University will not discriminate against disabled (or handicapped) individuals who are otherwise qualified, while expecting applicants and students to meet certain minimal technical standards as set forth herein. In adopting these standards, the University believes it must keep in mind the ultimate safety of the patients for whom its graduates will eventually care. The standards reflect what the University believes, in its professional, academic judgment, are the minimum expectations of osteopathic medical students (and physicians) necessary for the safe, efficient and effective delivery of medical care.

The holder of a doctor of osteopathic medicine degree must have the knowledge and skills to function in a broad variety of clinical situations and to render a wide spectrum of patient care. In order to carry out the activities described below, candidates for the D.O. degree must be able to consistently, quickly, and accurately integrate all information received and have the ability to learn, integrate, analyze and synthesize data.

A candidate for the D.O. degree must have multiple abilities and skills, including observation, communication, motor, conceptual, integrative and quantitative, and behavioral and social. Technological compensation can be made for handicaps in some of these areas, but a candidate must be able to perform in a reasonably independent manner.

- **Observation**
Candidates and students must have sufficient vision to observe demonstrations, experiments and laboratory exercises in the basic sciences. They must be able to observe a patient accurately up close and at a distance.
- **Communication**
Candidates and students should be able to speak, to hear and to observe patients in order to elicit information, examine patients, describe changes in mood, activity and posture, and perceive nonverbal communications. They must be able to communicate effectively and sensitively with patients. Communication includes not only speech but also reading and writing. They also must be able to communicate effectively and efficiently in oral and written form with all members of the health-care team.
- **Motor Function**
Candidates and students should have sufficient motor function to execute movements reasonably required to provide general care and emergency treatment to patients. Examples of emergency treatment reasonably required of physicians are cardiopulmonary resuscitation, administration of intravenous medication, the application of pressure to stop bleeding, the opening of obstructed airways, the suturing of simple wounds and the performance of obstetrical maneuvers. Such actions require coordination of both gross and fine muscular movements, equilibrium and functional use of the senses of touch and vision.
- **Sensory Skills**
Osteopathic candidates and students need enhanced ability in their sensory skills. Individuals who are otherwise qualified and who may have significant tactile sensory or proprioception disabilities may require a thorough evaluation. This would include individuals with significant previous burns, sensory motor deficits, cicatrix formation and many malformations of the upper extremities.
- **Strength and Mobility**
Osteopathic treatments often require upright posture with sufficient lower extremity and body strength; therefore, individuals with significant limitations in these areas would be unlikely to succeed. Mobility to attend to emergency codes and to perform such maneuvers as CPR is required.
- **Visual Integration**
Candidates and students must have adequate visual capabilities for proper evaluation and treatment integration to be able to assess asymmetry, range of motion and tissue texture changes.

- Intellectual, Conceptual, Integrative and Quantitative Abilities**

Candidates and students must be able to concentrate, analyze and interpret data, and make decisions within areas in which there is a reasonable amount of visual and auditory distraction. They must also perform these functions timely and under a reasonable amount of stress since physicians are expected to be able to perform such duties in diverse clinical settings where others may be present and where there is a certain degree of noise. Candidates and students must be able to accurately write prescriptions, accurately perform basic mathematical functions, and accurately and quickly read charts with minimal error in areas where there may be distractions. The practice of medicine demands the ability to integrate and process information promptly and accurately in a time-sensitive environment. Candidates must be able to draw on their store of knowledge in emergency situations and under time limitations.
- Behavioral and Social Attributes**

Candidates and students must possess the emotional health required for full utilization of their intellectual abilities, exercise good judgment, promptly complete all responsibilities attendant to the diagnosis and care of patients, and the development of mature, sensitive and effective relationships with patients. Candidates and students must be able to tolerate physically taxing workloads and to adapt to changing environments, to display flexibility and to learn to function in the face of uncertainties inherent in the clinical problems of many patients. Compassion, integrity, concern for others, interpersonal skills, interest and motivation are all personal qualities that will be assessed during the admissions and educational processes.

KCUMB will attempt to develop creative ways of opening the medical school curriculum to competitive, qualified disabled individuals when possible. In doing so, however, the University must maintain the integrity of its curriculum and preserve those elements deemed essential to the education of an osteopathic physician.

- Participation in Osteopathic Clinical Skills Laboratory**

Active participation in Osteopathic Clinical Skills Laboratory is an admission, matriculation and graduation requirement.

The development of palpatory skills used for diagnosis and treatment is a significant distinction between the educational programs in osteopathic and allopathic medical schools. Stedman's Medical Dictionary defines palpation as examination with the hands and fingers, touching, feeling or perceiving by the sense of touch. Palpation in the osteopathic educational context is the use of touch to examine the body. Palpatory skills are used in all areas of osteopathic

medical practice and are especially important in the evaluation and treatment of the musculoskeletal system.

The development of palpatory skills and grasp of osteopathic treatments are acquired in the first- and second-year labs of medical school. This learning requires active participation in all laboratory sessions. During the first two years, each student will palpate, in the laboratory setting, a variety of people, representing both genders and individuals with different body types to simulate the diversity of patients expected in a practice setting. Being palpated by other students helps the student appreciate how palpation feels from the patient's perspective and enables the students to provide feedback to their laboratory partners, thus enhancing the palpatory skills of all students.

The osteopathic medical profession uses a variety of treatment models, and through the skills development process, the student learns the art and skills of manipulative treatment. Psychomotor skills are developed by repeated practice. Reading and observation, although helpful, do not develop the skills required to perform palpatory diagnosis and manipulative treatment. Each student is required to actively participate in all skill development laboratory sessions. These skills are taught by treating and being treated by a cadre of students of both genders and with varying body types to simulate a medical practice setting.

Proper dress attire is an important aspect of manipulation training in the laboratory setting. The development of palpatory skills needed to diagnose and treat problems of the musculoskeletal system requires dress attire to maximize the ability to evaluate tissue texture changes, bony and soft tissue landmarks, tenderness and range of motion. All students should wear loose fitting shirts and short pants/scrubs/sweats/bathing suits (no spandex) to the laboratory to allow easy access for palpation of body parts as determined by particular subject area of each lab (for example, if the cervical spine is being examined, then regular street clothes which allow complete access to the cervical area may be worn). To allow maximal exposure of the back, female students should wear a sports bra or bathing suit top under a loose fitting shirt. All students should keep their shirts on unless being directly palpated. Improper attire includes items that might impede palpatory and visual learning, including, but not limited to: denim, cut-offs, jewelry and belts. To help keep the tables clean and prevent tearing of the covers, it is especially important that shoes not be worn while on the tables. Scrubs may be worn in the lab with the caveats above. All scrubs should be in good repair and clean.

Occasionally, a student may present with a physical problem that may contraindicate a specific type of manipulation in a specific anatomical location. A student who feels manipulation might be contraindicated is required to contact

the coordinator of OMM before the beginning of the section and present documentation of their problem. A member of the Family Medicine faculty will examine the student during the first week of school. If the problem is confirmed through the examination and review of the documentation, special arrangements may be authorized. The student will be expected to actively participate in all laboratory sessions not directly affected by their specific problem.

Special Accommodations

The University provides reasonable and appropriate accommodations for matriculated students with documented disabilities. The intent of the policy is to provide each student with an opportunity to excel academically, while creating an equitable environment conducive to learning. The policy will be administered consistently, fairly and in a non-discriminatory manner. The policy complies with the Americans with Disabilities Act (ADA) of 1992 and any other applicable state and/or federal laws.

All applicants receiving supplementary application material for admission will be asked to certify that they have reviewed the University's Minimal Technical Standards and the Osteopathic Clinical Skills Laboratories requirements. Any student accepted to a University program will be required to complete a Post-Admissions Questionnaire requesting information about mental and/or physical limitations that may require accommodation while attending the University.

The Academic Accessibility Committee (AAC) is responsible for reviewing the completed forms and will follow these steps:

1. In reviewing questionnaires that indicate mental and/or physical limitations, the AAC:
 - a. Investigates whether the disability is ADA-protected;
 - b. Determines if the student is otherwise qualified and is capable of completing the entire program;
 - c. Assesses the risk of the student harming self and others;
2. Reserves the right to request additional documentation;
3. May consult with any necessary health-care providers;
4. May require that the student meet with any University-selected health-care provider at the student's expense for further evaluation or testing;
5. Makes a formal recommendation to the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine, based on all of the information received regarding a student's qualification for meeting the minimal technical standards for the program.

The Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine's Responsibilities

1. Reviews completed forms and the AAC's recommendation, and may request additional information (documentation) as necessary;

2. Will notify the student by letter of the decision. A copy of the letter will be forwarded to the AAC Chair and the Registrar.

Procedures for Requesting Special Accommodations

Requests for accommodations are made by the student according to the procedures outlined below. Applications may be submitted at any time during the academic year. An application for accommodations is a request for only the academic year in which it was submitted. If an accommodation is granted during the first academic year, a renewal application must be submitted the following year should the student desire continuation of the granted accommodations. Requests for special accommodations do not signify privilege until official notice is received from the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine.

All requests for special accommodations due to a physical, psychological or learning disability must contain appropriate documentation and be directed to the Academic Accessibility Committee, which makes recommendations to the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine, who makes approval decisions.

Applicability

All matriculated students who have documented physical, learning and/or psychological disabilities are applicable.

The Student's Responsibilities

Submit a completed application, which can be obtained from the Chair of the Academic Accessibility Committee, and have all documentation forwarded (release form available in the above-mentioned offices) to the Chair of the Academic Accessibility Committee. The application form includes the following information:

1. Name, social security number, student ID number, address and telephone number;
2. Diagnosis of the disability and the earliest date that the disability was professionally diagnosed. Supporting documentation must be forwarded (release form), including diagnosis and how it affects major life activities; results of tests that were administered and interpreted; name, address and phone number of professional(s), including physician(s) responsible for administering and interpreting tests; date(s) that the tests were administered and interpreted; and recommendations for any accommodations;
3. A personal description of how the disability affects major life activities;
4. Define the accommodation(s) that is (are) requested;
5. The applicant must indicate whether accommodations were granted in all previous educational environments; if accommodations were given, the applicant must provide:
 - a. Name of institution(s);

- b. Name of person(s) [and respective department(s)] who granted accommodations;
- c. Subject area(s) for which accommodations were granted;
- d. Specific description of accommodations received;
6. Signature of student;
7. Date the application is submitted.

Important

An application is incomplete if it does not contain documentation dated within 24 months of submission of application. The AAC may waive the 24-month requirement if additional documentation is not deemed necessary.

It is the responsibility of the student to have an evaluation and tests administered and interpreted. The AAC can refer the student to a local provider for evaluation. Any charges for an evaluation or forwarding of documentation are the student's responsibility.

The Registrar's Responsibilities

1. Will be involved in scheduling any necessary examinations, activities or events;
2. Will notify relevant personnel;
3. Will be responsible for the administration of granted accommodations, including addressing any student concerns regarding his/her accommodations;
4. Will notify student regarding renewal applications.

The Responsibilities of Other Administrative Personnel

For COM students, the Associate Dean of Curricular Affairs will assist the Registrar in scheduling any necessary examinations, activities or events. For COB students, the Dean of the College of Biosciences will assist the Registrar in scheduling any necessary examinations, activities or events.

Authorization to Release Applicant Information

The Federal Privacy Act specifies that only the applicant have access to the application material and the status of his/her application. If the applicant wants another party or multiple parties (i.e., parent, spouse, advisor, physician, friend) to check the status of his/her application, the applicant is required to submit in writing a signed waiver giving personnel of KCUMB permission to discuss all details of the application with each said individual.

Academic Requirements (2009 COM Entering Class Applications)

The *minimum* academic requirements for admission to the first-year class are:

1. The Medical College Admissions Test (MCAT). The MCAT is administered electronically throughout the year. If applying for the 2009 entering class, only May 2005 through December 2008 scores will be accepted. To register for the MCAT,

apply online at www.aamc.org. Direct questions via e-mail to mcats_reg@act.org or call (319) 337-1357.

Applicants applying through KCUMB's Partnership Program are not required to take the MCAT Exam.

2. A baccalaureate degree, or commendable completion of at least three-fourths (90 semester hours or 135 term credit hours) of the required credits for a baccalaureate degree, from a regionally accredited college or university. The baccalaureate degree is preferred and preference is given to those candidates who will have earned the degree prior to matriculation in the medical school program.
3. Satisfactory completion, with a grade of C or higher, of the following college courses, including laboratory work:
 - Biological Sciences (12 Semester Hours)
 - Genetics (3 Semester Hours) (in addition to 12 hours of biological sciences)
 - Chemistry (13 Semester Hours)
 - Biochemistry (3 Semester Hours) (in addition to 13 hours of Chemistry)
 - Physics (8 Semester Hours)
 - English Composition and/or Literature (6 Semester Hours)Total: 45 Semester Hours

All of the above 45 semester hours are required to be recorded as "taken" or as "not yet taken/to be completed" (NY) on the Academic Record section of the AACOMAS application (see AACOMAS application instructions). The course name, number and semester in which the prerequisite will be completed must be included.

Applicants are strongly advised to provide evidence of a solid foundation and to demonstrate proficiency in the biological and physical sciences, including anatomy, bacteriology and mathematics. Further, applicants are encouraged to have taken courses in sociology, philosophy, psychology and medical terminology.

The ability to use a personal or network computer has become an integral part of the KCUMB curriculum and is becoming a clinical necessity. Each entering student must have a good working knowledge of common PC use and applications. First-year students are required to own a PC or laptop computer and printer. Specifications can be obtained at www.kcumb.edu.

Substitutions or Waiver of Admission Requirements

Prerequisite course substitutions are permitted in some situations. Often undergraduate students have taken courses such as molecular or cellular biology which may fulfill all or part of the prerequisite requirements for biochemistry. This course nomenclature/content issue occasionally occurs for genetics as well. An applicant may request substitution of undergraduate coursework for KCUMB's biochemistry or genetics prerequisites by forwarding one of the following to the admissions office:

- A faculty letter detailing course content
- A copy of the course description from the college catalog

- A copy of the course syllabus

Documentation providing the most detail will expedite the review process. For biochemistry, the information should indicate the applicant has studied intermediary metabolism or more specifically, lipid metabolism. For genetics, the information submitted should indicate the course covered Mendelian genetics/inheritance or hereditary factors. Applicants will be notified of decisions upon review of course content. Also, please note that if a substitution is granted, the substituted course will not be counted toward the fulfillment of any other prerequisite.

Any request for substitutions or waiver of any of the admission requirements must be submitted in writing to the Director of Admissions stating the request, rationale for the request and supporting documentation.

Admission Partnership Programs

Kansas City University of Medicine and Biosciences has developed Partnership Programs with select educational institutions, which have exceptional premedical programs. Partnership Educational Institutions have developed a prescribed educational program sequence, and students enrolled at each institution petition to matriculate through the partnership program sequence. The educational program sequence requires the completion of all medical school prerequisites in the first three years of matriculation, while maintaining a high grade point average.

Students from these Partnership Program Institutions, who meet these educational standards, are eligible to petition for acceptance to Kansas City University of Medicine and Biosciences following their third year of undergraduate education. The Medical College Admissions Test (MCAT) requirement is generally waived for these applicants. For additional information, please contact the Director of Admissions.

Class Profile

The 2008 entering class presented the following profile:

- Average GPA: 3.6
- Average Science GPA: 3.6
- Average MCAT Score: 26
- Average Age: 24
- Age Range: 21 to 48 years old
- Percentage of Female Students: 43 percent
- Percentage Receiving Financial Aid: 98 percent

Applicant Profile

- 3,000 applications were received for this entering class.
- 650 interviews were conducted to fill the 250 seats available.
- 46 percent are from outside Missouri or Kansas.
- <1 percent are members of underrepresented minority groups.

Application Process

AACOMAS Online is an innovative Web-based application for individuals seeking admission to colleges of osteopathic medicine. The application will allow prospective osteopathic medical students to submit their application to AACOMAS through a secured Web server. AACOMAS Online will allow the user to create an account and spend multiple sessions completing their application. Applicants will be able to update their address, telephone number, certain biographical information and submit application fees online. Applicants will be notified by electronic mail when their materials have been received by AACOMAS.

AACOMAS Online is available for the 2009 entering class. All application materials, including detailed instructions, can be accessed through the AACOM Web site, www.aacom.org. Applicants must request that official transcripts from all colleges and universities attended be mailed directly from the institution to the AACOMAS office. MCAT scores also are to be forwarded directly to AACOMAS from the MCAT office.

Mail transcripts and MCATs to AACOMAS at:
5550 Friendship Blvd., Suite 310
Chevy Chase, MD 20815-7231
Phone: (301) 968-4190

AACOMAS gathers all the necessary material about each applicant and transmits the information in a standardized format to the college of osteopathic medicine selected by the applicant. AACOMAS has no participation in the selection process.

The applicant will receive from AACOMAS a computer-generated applicant profile with a calculation of GPA and MCAT averages. KCUMB also will receive the applicant profile, accompanied by a photocopy of the AACOMAS application and personal statement. KCUMB conducts an initial review of the transmitted AACOMAS application, MCAT scores and academic records to determine which applications will be further processed.

Applicants meeting the initial review criteria will receive a KCUMB supplemental application. A supplemental application may be forwarded to an applicant under some circumstances when specific information is not available or will be submitted later. These circumstances generally relate to applicants who have not taken the MCAT and/or are registered to take the next scheduled MCAT exam. Applicants are encouraged to include the scheduled MCAT test dates on the AACOMAS application to indicate the intent of taking or retaking the exam.

Applicant Protocol of the American Association of Colleges of Osteopathic Medicine

Applicants aspiring to become osteopathic physicians (D.O.) are expected to act professionally in their interactions with the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS) and with colleges of osteopathic medicine. Responsibility, respect, good judgment and cooperation are qualities valued by

the osteopathic profession and applicants are expected to demonstrate these qualities throughout the application process.

1. Applicants are responsible for becoming familiar with admission requirements, following application procedures and meeting all deadlines at each school to which they apply.
2. Applicants are responsible for the collection and timely submission of supplemental applications, letters of evaluation, transcripts and all applicable fees.
3. Applicants are responsible for reporting and updating any changes in the initially submitted application (e.g., address, telephone numbers, academic status and state of residence).
4. Applicants are responsible for responding promptly, either to accept or to decline all interview invitations and offers of admission.
5. Applicants who have made a final decision on the medical school they plan to attend have the obligation to promptly withdraw their applications from all other schools.
6. Applicants may hold only one acceptance after May 1.

Application Schedule

Applicants are encouraged to begin the application process a year prior to matriculation. The following represents a monthly guide for application preparation.

May

- Contact all colleges and universities attended and have official transcripts forwarded directly from the education institution to AACOMAS.
- Submit AACOMAS application.
- Supplemental application or materials are mailed to qualified applicants immediately upon receipt of the AACOMAS application in the Admissions Office.

September

- Personal interviews begin.

Feb. 1

- AACOMAS Application deadline.
- Supplemental applications are accepted and processed until all interview positions have been filled.

Feb. 15

- Transcript deadline to AACOMAS.

Required Supplemental Materials

The following supplemental materials are to be mailed directly to the KCUMB admissions office:

1. A completed KCUMB supplemental application.
2. A non-refundable supplemental application fee of \$50 made payable to KCUMB. (Fee is waived if applicant has received fee waiver for AACOMAS fees.)
3. Letters of evaluation from each of the following sources are required:
 - A physician (preferably a D.O.).
 - A science faculty member who is familiar with the applicant's academic work.
 - A premedical source. This could be an advisor's letter, a composite evaluation or evaluations from a committee. If a premed source is not available, another science faculty, in addition to the above, or an employer's letter may be substituted. *Evaluations must be written within the two years prior to making applications. Example: If applying beginning May 2009, letters must be dated no earlier than May 2007.*
 - Applicants who anticipate making application for military scholarships should make arrangements to obtain additional copies of evaluation letters. Military scholarship committees require original letters for this purpose. Applicants anticipating applying for these scholarships should obtain additional evaluation letters from evaluators and have the letters placed in officially sealed envelopes.
4. A signed and dated Technical Standards Certification. *This form states that the applicant has read the Minimum Technical Standards and the Participation in Osteopathic Clinical Skills Laboratory. The completed form attests that the applicant can meet all requirements listed therein, either without accommodation or with reasonable accommodation from the University. The form does not ask for disclosure of disability.*

Applicants with college credit at foreign institutions, or institutions teaching in a language other than English, must submit official foreign transcripts to one of the following evaluation services:

World Education Services, Inc.
P.O. Box 745 Old Chelsea Station
New York, NY 10113-0745
(212) 966-6311

Josef Silny and Associates
7101 SW 102 Avenue
Miami, FL 33171
(305) 273-1616

info@jsilny.com

Educational Credential Evaluators, Inc.
P.O. Box 514070
Milwaukee, WI 53203-3470
(414) 289-3400

KCUMB will accept credit from the evaluation report as fulfilling admission criteria only if the evaluation service has indicated that the required course work is comparable to a regionally accredited U.S. college or university.

Recommending a Student for Admission

Persons interested in recommending a premedical student for admission to the college should write a letter to the Office of Admissions on behalf of the applicant. Recommenders should briefly indicate in what capacity and for how long they have known the applicant. Areas of particular interest are:

- Applicant's motivation for osteopathic medicine
- Native intellectual ability (keenness, originality, capacity)
- Industry (promptness, application, perseverance, reliability)
- Initiative (imagination, independence, resourcefulness)
- Competence in classroom
- Competence in laboratory
- Character (integrity, honesty, responsibility, habits and ethics)
- Maturity
- Personality (strength, leadership, sense of humor)
- Attitude toward associates
- Expression (oral and written)
- Personal appearance (neatness, cleanliness, grooming)
- Patient contact
- Community service

The letter will be given full consideration when the applicant's file is evaluated.

Review and Notification

The major criteria for rating applicants include academic excellence and non-academic achievements. Academic excellence is measured by an assessment of the results of the Medical College Admissions Test, grades and grade point averages, modified by such information as the degree of difficulty of the program in which the applicant studied. Non-academic achievements also are considered, as well as a candidate's ability and desire to fulfill the mission of the University. Non-academic activities such as patient contact, community/volunteer services (medical and non-medical) and leadership positions (official and non-official) are a few examples of where the depth and duration

of involvement are considered. Activities for which the applicant has been honored should also be listed. There is no formal interview involved in this assessment.

Following the above assessment, selected applicants are invited to visit the campus for a formal personal interview. Applicants are expected to have researched the history and philosophy of osteopathic medicine. After the interview, the Admissions Committee reviews the applicant's file along with interview recommendations. Applicants are then notified as soon as a final admission decision has been made.

An acceptance fee and a matriculation deposit are required from successful applicants. (See "Tuition, Fees and Expenses") Acceptance is conditional until all official transcripts are received from schools attended (AACOMAS does not forward academic transcripts). Transcripts must be on file prior to matriculation. It is expected that all course work listed on the AACOMAS application will be completed with a grade of C or higher, and that expected degrees are completed by August 1 of the matriculation year at KCUMB.

Note: Discovery following admission or matriculation of intentional misrepresentation or omission of any information used in the application process or omission of information relative to scholastic records or test records will subject the student to dismissal. Matriculation will be denied to applicants who have failed to maintain a good record of scholastic performance and/or personal conduct between the time of their acceptance and their matriculation at the University. The University reserves the right to deny admission to any applicant for any reason the University deems sufficient.

Funding Assurance

Accepted applicants must provide assurance, prior to the start of first-year classes, that funding for tuition and budgeted living expenses are covered for the entire educational program. Therefore, a stipulation of matriculation obligates an accepted applicant to authorize KCUMB to obtain a current credit report.

A Credit Authorization Form will be provided to each accepted applicant by the Admissions Office. The Finance Department, as a service to the applicant, will evaluate his/her ability to provide funding/obtain loans. This authorization will be in effect for the duration of the educational sequence at KCUMB.

Criminal Background Check

Prior to matriculation, all students matriculating into the College of Osteopathic Medicine will have a criminal background check performed at their own expense. The background check will be performed by a certifying organization retained by Kansas City University of Medicine and Biosciences. The purpose of the background check is to satisfy federal and state requirements for individuals participating in clinical activities involving patient care, including clinical clerkships and early clinical experiences.

Students may be required to undergo a subsequent background check prior to graduation from the COM. Should this be required, the background check will be

performed at the student's expense and will be conducted in accordance with federal and state laws.

Health Requirements

Students who project themselves as future health-care workers must protect their health and the health of future patients. All matriculating students at KCUMB must be vaccinated in accordance with University's guidelines. KCUMB determines immunization requirements based upon current Centers for Disease Control and Prevention (CDC) guidelines for health-care workers in combination with current requirements for the Office of Community Clinical Education. These guidelines/requirements change and are updated periodically. Applicants and students are expected to be knowledgeable of the current CDC guidelines for health-care workers found on their Web site, www.cdc.gov.

All students are required to maintain personal health insurance. COM students must submit proof of personal health insurance to the Office of Admissions before matriculating and to the Office of Community Clinical Education before beginning first-year early clinical experiences. COB students must submit proof of personal health insurance to the Office of Admissions before matriculating and to the Dean of the College of Biosciences.

All students must report any break in coverage or change in health insurance to the Vice President for Student Affairs during their first two years. COM students must report any break in coverage or change in health insurance to the Office of Community Clinical Education during the third and fourth years.

Students who fail to meet these guidelines will not be allowed to matriculate.

Transfer Procedures

KCUMB has historically accepted few transfer students. Credits may be transferred only from osteopathic medical schools and colleges accredited by the American Osteopathic Association's Commission on Osteopathic College Accreditation (AOA's COCA). Transfer consideration is given only to those students with extenuating circumstances who show evidence of strong academic achievement from another osteopathic medical school and evidence of professional growth paralleling the values and mission of KCUMB. Students seeking transfer to KCUMB must submit a request for transfer to the Office of Admissions, along with the following supporting documentation:

- An official transcript from all previously attended colleges and universities;
- An official copy of the attended medical school curriculum;
- MCAT scores;
- Two letters of reference;
- A statement of reason(s) for requesting transfer;
- A work history;
- A letter from the dean of the osteopathic medical school currently being attended, indicating his or her approval for such a transfer.

Applicants under serious consideration may be invited to the KCUMB campus for a personal interview with the Admissions Committee.

In order to graduate, all students must matriculate at least the last two years of study at KCUMB. Potential transfer students should request application information from KCUMB's Office of Admissions. Telephone: (816) 283-2351 between 8 a.m. and 4 p.m. Central Time.

Persistency Rates

In compliance with the Student Right-to-Know Act, the persistency or graduation rates of KCUMB students over the past four-to-five years are:

- 88.5% of those students who entered in 2000 graduated within five years.
- 94.9% of those students who entered in 2001 graduated within five years.
- 96.9% of those students who entered in 2002 graduated within five years.
- 95.2% of those students who entered in 2003 graduated within five years.
- 88.6% of those students who entered in 2004 graduated within four years.

Note: Matriculated students occasionally include a transfer student. Therefore, some students may have actually graduated with less than four, but at least two years of study at KCUMB. Some students pursue fellowships, delaying graduation by a year.

Housing

KCUMB does not provide housing; however, the Admissions Office can direct students in their search for housing.

COM FISCAL POLICIES AND FINANCIAL AID

Tuition, Fees and Expenses

Incoming first-year medical students must provide assurance, prior to the start of first-year classes, that funding for tuition and budgeted living expenses are covered for the entire academic program. Accepted applicants who are unable to provide this assurance will not be allowed to matriculate in the current academic year; however, they may reapply for the following year if funding assurance is provided. Current students must also exhibit the ability to fund tuition and budgeted living expenses to be eligible to advance to the next grade level. Evidence of students' ability to pay will be reviewed annually, approximately 90 days prior to the start of each academic year.

Tuition and fees are due and payable in full before each registration date unless special arrangements have been made with the Finance Office or when students have loan applications for amounts sufficient to cover tuition on file in the Financial Aid Office. Tuition and fees are due and payable for the entire academic year regardless of whether the student completes the entire year, except as noted in the refund policy. The University reserves the right to change the schedule of tuition and fees without advance notice and to make such changes applicable to present as well as future students.

The following fees and tuition apply to the 2009-2010 academic year:

COM Fees and Tuition Information

Application Fee (KCUMB Supplemental) \$50

Fee is payable upon submission of application for admission. (May be waived if applicant receives an AACOMAS fee waiver). *Fee is non-refundable regardless of reason.*

Acceptance Fee \$1,000

Accepted applicants need to make sure payment is received according to the following schedule:

- Those accepted prior to Nov. 15 will have until Dec. 15;
- Those accepted between Nov. 16 and Feb. 15 will have 30 days;
- Those accepted between Feb. 16 and March 1 will have 15 days;
- Those accepted after March 1 will have 14 days;
- Those accepted on or after June 1 may be asked for an immediate deposit.

Payment is credited toward tuition once payment of the balance of the tuition is received. Acceptance fees should be mailed to the Admissions Office. *Fee is non-refundable regardless of reason.*

Matriculation Fee \$1,000

Payable according to the following schedule:

- Those accepted prior to Feb. 15 will have until March 15;

- Those accepted between Feb. 15 and May 31 will have 14 days to submit a combined acceptance and matriculation fee totaling \$2,000;
- Those accepted on or after June 1 may be asked for an immediate deposit.

Payment is credited toward tuition once payment of the balance of the tuition is received. Mail Matriculation Fee to the Admissions Office. *Fee is non-refundable regardless of reason.*

Note: Withdrawing prior to matriculation does not negate the no-refund policy.

Tuition, 2009-2010 \$41,013

Tuition and fees are due and payable in full before the day of class registration, unless special payment arrangements have been made with the Finance Office, or when loan applications for amounts sufficient to cover tuition and fees are on file in the Financial Aid Office. Tuition includes parking, library privileges and laboratory supplies, but not instruments, equipment, computers, texts, lab manuals or health insurance. Tuition is subject to change annually.

Miscellaneous Fees

Activities Fee	\$75
Health Service Fee	\$100
Late Registration Fee	\$100
Official Transcript Fee	\$5
Student Identification Badge Replacement Fee	\$5

Books and Instruments

The approximate costs for required textbooks are:

First-year textbooks	\$2,430
Second-year textbooks	\$446
Third-year textbooks	\$488

The approximate cost for instruments is:

First year	\$775
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The estimated additional cost for a computer and accessories is \$1,500 for a desktop P.C. or \$2,500 for a laptop.

National Boards

KCUMB requires successful completion of COMLEX Level 1, 2-CE and 2-PE prior to graduation.

Examinations (COMLEX) by the National Board of Osteopathic Medical Examiners (NBOME) require the following fees, which are subject to change. National Board fees are paid directly to:

National Board of Osteopathic Medical Examiners
8765 W. Higgins Rd., Ste. 200
Chicago, IL 60631-4174
Telephone: (773) 714-0622
www.NBOME.org

COMLEX Level 1	\$485 (includes registration fee)
COMLEX Level 2-CE	\$485
COMLEX Level 2-PE	\$1,095 (approximately)
Reschedule fee.....	\$85
(less than 30 full days and more than 5 full days before the scheduled exam)	
Cancellation Fee	\$190
(less than 5 full days but at least 24 hours before the scheduled exam)	
No-show fee.....	\$225

Some KCUMB students may also choose to take the USMLE. (This is not required by KCUMB.)

Examinations by the National Board of Medical Examiners (USMLE) require the following fees and should be paid directly to:

National Board of Medical Examiners
P.O. Box 48014
Newark, NJ 07101-4814
Telephone: (215) 590-9500

National Board of Medical Examiners
3750 Market Street
Philadelphia, PA 19104-3102
Telephone: (215) 590-9500
www.USMLE.org

2009 Fees

USMLE I.....	\$495
USMLE II.....	\$495
Clinical Skills Examination	\$1,055
Rescheduling Fee	\$50

General Tuition and Fees Refund Policy

No course, clerkship or rotation will be credited toward promotion, graduation or subsequent credit if a student has not paid the required tuition and fees, including any additional tuition incurred by repeating any portion of the regular program.

The trustees of the University reserve the right to change the schedule of tuition and fees, without advance notice, and to make such changes applicable to present as well as

future students of the University, and to establish additional fees or charges for special services whenever, in their opinion, such action is deemed advisable.

No part of the tuition fee shall be refunded to students who withdraw for any reason after the tenth week from the first day of the academic schedule for first, second, third or fourth year.

A request for a tuition fee refund requires written notification to the Business Office, and must be received before the close of business during the week in which the refund is requested. The request for a tuition fee refund requires prior written notification of withdrawal from the University. Students who voluntarily withdraw from the University may be entitled to a refund. Students who are dismissed or suspended are not entitled to tuition refunds.

The tuition refund and/or tuition discount, whichever is applicable, shall be prorated as follows: 75 percent during the first week; 50 percent during the second week; and 25 percent during the third week through the tenth week. The check will be mailed to the student from the Business Office approximately two weeks from the date of receipt of the written request and notification of withdrawal from the University.

Tuition and Fees Refund Policy – Student Financial Aid Recipients

Students receiving financial aid funds are subject to having these funds returned as required by federal, state and/or private aid program policies. This means a student who leaves school for any reason prior to completing 60 percent of the period of enrollment will have all or a portion of their financial aid funds returned to the appropriate aid program(s). Federal regulation 34 CFR 668.22 (Return of Title IV Funds) requires the school to calculate the percentage of the student's attendance; then calculate the student's "unearned" portion of the federal funds they have received. The "unearned" funds paid to the school must be returned to the lender within 30 days of the student's date of withdrawal. The student will then be responsible for the payment of the remaining tuition balance due per the KCUMB refund policy. The student will be notified of these amounts at the time of their checkout from the University.

Payment and Tuition Refund Policy Related to the Master of Business Administration in Healthcare Leadership Program

Students enrolled in the M.B.A. program receive invoices and statements from KCUMB. Financial aid and loan arrangements are also handled by KCUMB. Payments for tuition are submitted to KCUMB and are credited separately from College of Osteopathic Medicine accounts.

Rockhurst University manages the registration, curriculum content, faculty and graduation requirement components of the program. Rockhurst University awards the M.B.A. degree.

KCUMB students enrolled in the dual KCUMB-Rockhurst M.B.A. program must maintain satisfactory academic progress in the College of Osteopathic Medicine program to continue in the M.B.A. portion of the program. Students failing to maintain

satisfactory academic progress will be required to withdraw from the M.B.A. portion of the program.

The curriculum is divided into three segments and corresponds to the three time phases of the M.B.A. program. One-third of the total tuition is allocated to each phase of program. Tuition is due and payable before the initiation of each segment.

The official start dates for each segment will be:

- Segment 1 June 1 for first-year students
- Segment 2 June 1 for second-year students
- Segment 3 September 1 for third-year students

The tuition refund and/or tuition discount, whichever is applicable, shall be prorated as follows:

- A 50 percent refund will be allowed if a student withdraws prior to the conclusion of the second week of instruction of a segment. No refunds are awarded following the second week of instruction in any segment.
- Students are charged for only segments in which they enroll. Enrollment/completion of one segment does not require enrollment and payment of subsequent segments. Students are not charged for segments offered in the future following withdrawal from the program.
- No tuition refund will be allowed for any completed segment following withdrawal or dismissal from the program.
- No tuition refund will be allowed for any student who is dismissed from the program for any reason including academic, personal or behavioral situations.
- A request for tuition refund must be made in writing to the KCUMB Finance Office, and be accompanied by a dated withdrawal letter from the program indicating acknowledgement by both the KCUMB Vice President for Student Affairs and the Rockhurst M.B.A. Program Director.

Student Financial Aid

Education is very expensive. A student may be forced to live at a very modest level while completing their education to minimize their expenses to match their financial aid. The primary obligation for financing a student's education lies with the student and the student's family. Need-based financial assistance is available, but is highly competitive. The federal and private agencies, which make funds available for borrowing, do so with the understanding that a student must sacrifice in order to achieve his/her educational goals.

Upon acceptance to KCUMB, a student who needs financial assistance must complete a Free Application for Federal Student Aid (FAFSA). An application can be made online at www.fafsa.ed.gov. This information allows the Financial Aid office staff to determine the degree and amount of need-based financial assistance, loan amounts and scholarship awards for which a student is eligible.

Financial aid, as awarded or borrowed under federal or private programs, cannot exceed the KCUMB standardized budget and must be used to offset the cost of the

student's education. This means the borrower must live on personal expenses of \$19,000 (\$1,900 per month) for the 10-month period of his or her first year from all monies available to them, including personal resources, parental assistance, awards, scholarships and loans. Personal income from the previous year, the income of the student's spouse, and the income of the student's parents also are taken into account when figuring the amount a student can be awarded or can borrow.

Money is available for a student's direct educational costs and personal support while he or she receives an education. The student must be frugal and a good money manager to make the budget work comfortably. The primary federal sources are the subsidized and unsubsidized Stafford and GradPLUS loan programs. The subsidized Stafford loan is a low-interest program on which the government pays the interest while the student borrower is in school and is the loan of first choice. The unsubsidized Stafford and GradPLUS loans accrue interest from disbursement and are the loans of last resort. Refer to "Loan Programs and Sources" for maximum borrowing amounts for each program.

A student may not be eligible for the full amount of loans based on his or her needs analysis application (FAFSA) and the KCUMB standardized student budget (Cost of Attendance). The amount a student can borrow is based on the cost of his/her education and potential personal contributions, not on the student's desire for capital.

Students must carefully consider the repayment implications of loan programs and avoid excessive borrowing. KCUMB has a federally mandated obligation to keep a student's indebtedness to a minimum. A student will receive counseling while in school about the nature of his/her debt and the projected payment schedule. Borrowing money from these programs is a privilege, not a right; the regulations controlling these programs change periodically.

The KCUMB Financial Aid Office personnel are available to assist students in financing their educations. The staff will help find money for the student, but the primary responsibility for the financing of a student's education lies with the student. This means that such things as supplying personal documentation, supplying family documentation, ensuring that a student qualifies for loans by having a favorable credit report and providing monies for prior commitments are the student's obligations under the system.

Default of a student loan is failure to repay the loan according to the terms agreed to in the promissory note. Default also may result from failure to submit requests for deferment on time. If a student defaults, the college, the organization that holds the loan, the state and the federal government can all take action to recover the money.

The federal government and the loan agencies can deny a school's participation in the student loan programs if the school's default rate is too high. The University will withhold the transcript of any student who is in arrears or in default under any loan or loan program where such arrearage or default adversely affects the University in any way.

Standards for Satisfactory Academic Progress

Federal law and regulations require that all students receiving financial assistance from Title IV and Title VII programs must maintain satisfactory academic progress.

KCUMB policy presents the academic standards that apply to all students receiving financial aid.

The academic progress of each student is monitored and evaluated at the end of each academic year by the Promotion and Graduation Committee. The Promotion and Graduation Committee reviews records to see if the student has fulfilled all academic requirements and has maintained the standards of ethical, moral, personal and professional conduct required for continued study of osteopathic medicine.

A student whose cumulative grade point average falls below 2.0 at the end of the academic year is deemed Not In Good Standing. A student failing to meet one or more of the standards of progress will be considered as Not In Good Standing and placed on financial aid probation. A student may be allowed one enrollment period to regain a 2.0 G.P.A. Financial Aid personnel will notify and explain the loss of eligibility to the student. A student placed on Conditional Status will be on Financial Aid probation. Financial aid eligibility will be monitored with each disbursement and subsequent requests for financial aid. First- and second-year students with two section failures will have financial aid suspended until the result of the next exam is known. Third- and fourth-year students with two COMLEX failures will have financial aid suspended until the passage of their third attempt.

To be eligible for financial aid, a student must:

- Not be auditing courses
- Not be on suspension from academic participation or on leave of absence
- Have a minimum 2.0 grade point average at the end of the second year in order to remain eligible for further financial aid while on clinical clerkships
- Not be placed in any status by administrative directive that stipulates the student is considered “Not In Good Standing” or “Not Meeting Satisfactory Progress”

Loan Programs and Sources

Primary Care Loan (PCL)

As of July 1, 1993, PCL replaced HPSL for new borrowers. A student must commit to primary care including the internship, residency and practice. The interest rate is 5 percent. Loan amount is contingent upon the availability of funds. Available to third- and fourth-year students only.

Federal Stafford Loans

The Stafford interest rate is fixed at 6.8 percent. An origination fee of .5 percent plus a default fee of 1 percent are charged and deducted from the loan proceeds. Fees/interest applies to both Subsidized and Unsubsidized Stafford loans. The cumulative maximum Stafford limit for medical students is \$224,000, of which only \$65,500 can be Subsidized Stafford.

Federal Subsidized Stafford Loans

For those who qualify, this program provides up to \$8,500 per academic year with a cumulative maximum of \$65,500, including undergraduate loans. The interest is paid by the federal government while the student is in school and in periods of approved deferment.

Federal Unsubsidized Stafford Loan

This program provides \$20,500 per year (less the amount in Subsidized Stafford loans). Interest accrues from the date of disbursement; unpaid interest will capitalize at repayment.

Increased Unsubsidized Stafford for Medical Students

Allows an additional \$20,000 (nine-month academic year) to \$26,667 (12-month academic year) per year.

Federal Graduate PLUS Loan

This federal loan program was made available July 1, 2006. Congress extended the undergrad PLUS (parent) loan to allow graduate students to borrow on their own signature up to the cost of attendance (less the amount of Sub/Unsub Stafford loans and other aid). *A credit check is required.* The interest rate is fixed at 8.5 percent; requires the borrower to pay a 3 percent origination fee, plus a 1 percent default fee. The GradPLUS enters repayment immediately after it is fully disbursed, at which time it is placed in an in-school deferment while the student continues in school. The loan will enter repayment once the student is no longer enrolled. The same deferment options are available as with Stafford loans.

Federal Perkins Loan

Perkins monies are contingent on the availability of funds and the demonstration of need according to federal regulations and University guidelines. The interest rate is 5 percent; loan limits are up to \$8,000 per year with a total aggregate of \$60,000, including undergraduate loans.

Service Obligation Scholarships

(Armed Forces Scholarship Program)

To be eligible for the military scholarship, a student must be a U.S. citizen. Recipients are provided full tuition, fees, books, equipment and a monthly stipend. For each year of scholarship support, the student must serve one year in the designated service branch. The minimum obligation is two years. KCUMB traditionally has a high number of students receiving military scholarships.

Military and National Health Service Programs

For military programs, students should contact their recruiter or the recruiters on the list that follows:

U.S. Army

U.S. Army Health Care Recruiter
7500 College Blvd., Ste. 720
Overland Park, KS 66210
(913) 469-1795

U.S. Navy

Medical Programs Recruiter
10306 N.W. Prairie View Rd.
Kansas City, MO 64153-1350
(816) 880-1134; (800) 222-9597

U.S. Air Force

Air Force Recruiting Office
4600 SE 29th St., Ste. 356
Del City, OK 73115
(405) 670-1866

National Health Service Corps

Health Resources and Services Administration
Bureau of Primary Health Care
Division of Scholarships and Loan Repayments
(800) 221-9393
<http://nhsc.bhpr.hrsa.gov>

Veteran's Information

Matters pertaining to the Veteran's Administration should be directed to the Director of Financial Aid.

General Financial Aid Policies

The University attempts to make adequate financial assistance available to all students within the limits of the student budget and the availability of loans and scholarships. A comprehensive student expense budget has been designed to cover tuition, educational costs and reasonable living expenses for each academic year. Budgets are designed for the student only and are not intended to cover family living expenses or to cover debt incurred prior to attendance at KCUMB.

The University takes seriously its responsibility to provide a reasonable expense budget and to monitor long-term student debt. Based upon these principles, all financial aid awarded which includes federal, state and private programs, will be determined within federal financial aid guidelines and the limits of the student budget. Students will not be allowed unlimited borrowing simply because programs are available. **Note: The**

Department of Education mandates that non-school certified private education loans be included when determining eligibility for federal programs.

For students applying for or requesting financial aid at or beyond the midpoint of their academic year, financial aid eligibility will be determined for living expenses based on the number of months remaining in the academic year plus unpaid tuition that is not covered by another source.

Budget Adjustments

A student may request a budget adjustment based on these four reasons only:

- 1. Health Insurance.** The actual cost paid by the student for health insurance (to a maximum of \$125/month) will be added provided that the most recent bill or premium notice indicating the amount due is submitted at the time of initial application for aid. Health insurance costs for family members cannot be included. Limitations apply.
- 2. Child Care.** One-half the actual cost of child care up to the maximum allowed for students with dependent children 12 years and under that meet qualification criteria. Private school tuition does not qualify as child care. Limitations may apply. An application for the allowance with appropriate documentation is required. Limitations apply.
- 3. Medical Expenses.** Extraordinary expenses (for the student only) not covered in the student budget for unreimbursed medical expenses for non-elective procedures incurred within the current academic year. Documentation is required and limitations may apply.
- 4. Computer Purchase.** All KCUMB students are required to own a PC or laptop computer and printer meeting KCUMB specifications. The maximum allowances for first-year students follow:

Personal Computer Purchase \$1,500

Laptop Purchase \$2,500

Certain limitations are in effect. Documentation is required. Forms are available in the Financial Aid Office during normal business hours.

Note: A student may appeal any denial of a request for a budget adjustment or extraordinary circumstances by submitting a written request for appeal to the Director of Financial Aid.

The Financial Aid Application Process

For first-year incoming students, an application packet will be sent upon receipt of the required acceptance fee. This packet will include:

1. KCUMB Application for Financial Aid
2. A letter and Instructions for Applying for Aid

Once the student has submitted the required documents and completed forms as listed on the Application for Financial Aid, the Financial Aid Office determines his or her

aid eligibility. An Aid Award Offer is then sent to the student to notify him or her of eligibility for the following programs:

- Federal Subsidized Stafford Loan
- Federal Unsubsidized Stafford Loan
- Federal Perkins Loan
- Federal Graduate PLUS loan

Each student will receive an Entrance Interview prior to the release of these funds, usually during Orientation Week.

Conflicting Information

If a review of student financial information reveals discrepancies or shows conflicting information, no federal, state or other financial aid will be released until the discrepancy or conflicting information is resolved. The following guidelines concerning discrepancies are in effect:

- Students who fall into this category may be school-selected for verification. A verification worksheet will be mailed to the student by the Financial Aid Office;
- The student will be given every opportunity to provide an explanation or documentation to resolve the conflict;
- If the Financial Aid Office gives an adverse decision, the student may submit a written request for appeal to the Director of Financial Aid.

Verification of Student Financial Information

Students selected for verification by the U.S. Department of Education's Central Processor are governed by this policy:

- From the date of notification by the Financial Aid Officer, the student will have 60 days to supply the necessary documentation;
- Failure to provide required documentation will result in the withholding of all student aid funds;
- A student selected for verification will be mailed a verification worksheet to the current address of record;
- A student must submit the completed verification worksheet, a copy of his/her federal tax return and any other documentation required to support the information declared;
- A student's aid package will not be determined until the verification process has been completed.

Misreporting, Misrepresentation and Fraud

Any student found to have misreported information and/or altered documentation to increase his/her student aid eligibility or to fraudulently obtain federal funds may face any or all of the following disciplinary action(s):

- Subject to the Student Conduct Guidelines;

- As per federal regulation 668.14(g), referral to the Office of the Inspector General of the Department of Education, or, if more appropriate, to a state or local law enforcement agency having jurisdiction to investigate the matter;
- Loss of participation in federal financial aid programs for:
 - a. The current academic year, or;
 - b. The remaining years of enrollment.

Evidence of Misrepresentation

In the event the Director of Financial Aid finds evidence of willful misrepresentation and/or fraud, the student will meet with the Director of Financial Aid and the Vice President for Student Affairs. At that time, disciplinary action will be discussed with the student.

Student Aid Revision Policy

In order to prevent or minimize over-awards, reduce student debt and comply with federal, state and private aid programs, the following policy is in effect:

At the time a student receives other aid after the initial financial aid package is determined, the student's aid will be re-evaluated to determine his/her new eligibility and whether an over-award will occur. The Financial Aid Officer will take all steps necessary to reduce or eliminate the over-award to the extent of his/her control.

If an over-award occurs, the procedures listed below will be followed:

- A revised aid award offer will be completed and sent to the student advising him/her of the revision;
- A new disbursement schedule will be completed and sent to the student with the revised award offer to advise him/her of how the change will affect future disbursements, tuition payments and living expenses;
- Subsequent disbursements will be cancelled or reduced accordingly;
- If the additional resource is credited to tuition (as with scholarships or Vocational Rehabilitation), the resulting refund will be returned to the loan programs to reduce any over-award. In the event a personal check was given to pay any part of the tuition, it will be determined whether an equivalent amount of loan funds was delivered to the student creating the over-award. These funds will also be returned to the lender of the loan program to the extent of the loan funds delivered to the student;
- After all efforts have been exercised by the Financial Aid Office to reduce/eliminate the over-award, per federal guidelines, a Stafford Loan borrower who is over-awarded and received funds disbursed directly to him/her will not be required to repay funds that were delivered in excess of need unless the over-award was caused by his/her misreporting or withholding information.
- In the event an over-award exists due solely to scholarships, Vocational Rehabilitation, etc., with no loans involved, the Financial Aid Office will contact the program's administrator to coordinate the programs appropriately.

Financial Aid Code of Conduct

The Financial Aid Office at KCUMB, as a member of the National Association for Student Financial Aid Administrators (NASFAA), adheres to NASFAA's Statement of Ethic Standards and Code of Conduct for Institutional Financial Aid Professionals.

Code of Conduct for Institutional Financial Aid Professionals

An institutional financial aid professional is expected to always maintain exemplary standards of professional conduct in all aspects of carrying out his or her responsibilities, specifically including all dealings with any entities involved in any manner in student financial aid, regardless of whether such entities are involved in a government sponsored, subsidized, or regulated activity. In doing so, a financial aid professional should:

- Refrain from taking any action for his or her personal benefit
- Refrain from taking any action he or she believes is contrary to law, regulation, or the best interests of the students and parents he or she serves
- Ensure that the information he or she provides is accurate, unbiased, and does not reflect any preference arising from actual or potential personal gain
- Be objective in making decisions and advising his or her institution regarding relationships with any entity involved in any aspect of student financial aid
- Refrain from soliciting or accepting anything of other than nominal value from any entity (other than an institution of higher education or a governmental entity such as the U.S. Department of Education) involved in the making, holding, consolidating or processing of any student loans, including anything of value (including reimbursement of expenses) for serving on an advisory body or as part of a training activity of or sponsored by any such entity
- Disclose to his or her institution, in such manner as his or her institution may prescribe, any involvement with or interest in any entity involved in any aspect of student financial aid

The full document can be found at:

www.nasfaa.org/subhomes/mediacenter/nasfaacodeofconduct.pdf

COM ACADEMIC RECORDS AND POLICIES

General Academic Information -

Responsibility of the Student

Students are expected to become familiar with the academic policies, curriculum requirements and associated deadlines as posted to this *College Catalog* and the *Student Handbook*. An academic adviser will aid students in understanding the academic program requirements as well as interpretation of policies whenever necessary. However, it is ultimately the student's responsibility to be cognizant of and comply with all University policies and procedures and to meet all stated requirements for the degree. It is also the student's responsibility to frequently monitor campus e-mail, the University Web site and also their blackboard accounts; these communications venues have replaced mass mailing as the university's most effective and efficient ways to disseminate important information to the campus community.

Academic Advising

Each student is assigned a faculty advisor. Faculty advisors are charged with the responsibility of assisting students in the successful completion of the student's program of study.

Registration

Unlike traditional undergraduate and graduate institutions where students individually register for courses, KCUMB engages in block registration for each student cohort (with the exception of course electives). Consequently, first- and second-year students are required to report on the orientation/registration date as specified in the Academic Calendar.

First-year students who fail to appear within the first hour of Orientation risk losing their seat. All students failing to appear at the beginning of registration may be required to pay the late registration fee.

Third- and fourth-year students must complete registration materials, including financial aid arrangements, by the specified date, prior to participating in clerkships.

All outstanding financial obligations to the University or University-affiliated clerkship sites must be cleared in order for a student to register. Students who are not in University compliance may not attend classes or participate in clerkships.

Course Drops and Withdrawals

Students may drop (cancel registration) an elective course at any time through the first class meeting if the course has multiple class meetings, or before the class begins if the class only meets on one day. Students who wish to drop a course must officially

communicate their request to the Registrar's Office within the prescribed time requirements. A student who drops a course within the prescribed time sequence will have no record of the course on their transcript.

Students may withdrawal from an elective course after the drop deadline and up to the last class meeting. Course withdrawals are recorded as a "W" notation on the student's academic transcript.

Attendance/Absences

Attendance at all KCUMB classes is required. As professionals, students are expected to adhere to this attendance policy with diligence.

Missed laboratory sessions may be made up if they occur related to an excused absence. Request for an excused absence must be filed at least 10 days prior to anticipated absence.

Excused absences may be granted prior to the date requested at the discretion of the Associate Dean for Curricular Affairs, at least two weeks prior to the absence. Absences will be accepted in extenuating circumstances for consideration of approval.

Excused Absences, Make-Up Examinations and Quizzes

The following policy outlines the criteria for excused absences, make-up examinations and quizzes:

- *Civic Responsibilities:* Students who are required to be physically present at citizenship hearings; court hearings or jury duty on the date of a regular lecture, examination or quiz will be granted an excused absence and allowed to take a make-up examination or quiz. Students should contact the Associate Dean for Curriculum with supporting documentation to discuss such circumstances prior to occurrence. It is the student's responsibility to schedule make-up examinations or quizzes with the Section/Course Director within two days of returning to campus.
- *Academic Conflict:* Students may request an excused absence for academic-related conferences or activities. Only students in with a G.P.A. of 2.5 or above will be considered.
- *Death in the Family:* Any student applying for an excused absence or to take a make-up exam or quiz due to a death in their family must provide a copy of the death certificate or obituary program. Consideration will be given for deaths of spouse, life partner, parents, siblings, children, in-laws or grandparents.
- *Illness:* Any student who misses a lecture, exam or quiz due to illness must be seen by the KCUMB Student Health Clinic physician or their private health-care provider in order to have such illness documented. KCUMB's Student Health Clinic physicians will forward written documentation/assessment of the student's physical conditions to the Associate Dean for Curricular Affairs with his/her recommendation. If a make-up exam or quiz is approved, it will be scheduled with the Section/Course Director within two days of returning to campus.

- *Other:* Additional extenuating circumstances, not covered by these guidelines, may be brought to the Associate Dean for Curricular Affairs for consideration. *However, excused absences should not be requested for weddings, vacations, birthdays, non-family special events, etc.*
- *Excessive make-up requests:* Any student requesting excessive numbers of excused absences, make-up examinations or quizzes will be referred to the Promotion and Graduation Committee or Administrative Officers.

As professionals, students are expected to adhere to the KCUMB attendance and absenteeism policy with diligence.

Examinations

Examinations are regularly scheduled and required. Students are evaluated on the basis of their performance of assignments as well as achievements on written, oral and practical examinations. The results of examinations and reports concerning attendance, conduct and potential professional attributes are considered by the Promotion and Graduation Committee in the process of determining eligibility for promotion and graduation.

Testing Policy and Protocols

COM classes will be divided into two classrooms for all quizzes and exams; random seating assignments for each room will be posted prior to the exam.

All quizzes and exams will start and end on time. No students are allowed to leave the room until 20 minutes have elapsed from the scheduled start of a written exam. If a student arrives late to the exam but before 20 minutes have elapsed, the student may take the exam without an extension of the original test time. If the student arrives after 20 minutes have elapsed, the student may request to take the exam with the time remaining; these students should report to the Associate Dean for Curricular Affairs at the end of the exam to document their tardiness. For additional details regarding testing policies and protocols, as well as authorizations for special accommodations, please refer to the *Student Handbook*.

Leaves of Absence

A leave of absence may be granted from the University for several reasons including:

- Medical emergency or illness;
- Financial emergency;
- Personal emergency;
- Military service;
- Pursuit of an academic endeavor other than the regular classroom work, either on campus or at another recognized educational institution.

The Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine may grant a leave of absence for a designated period of

time with or without conditions. Conditions are commonly prescribed in cases of academic deficiency or medical related issues.

Students granted a medical leave of absence must have a licensed physician, selected by the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine, certify in writing that their physical and/or mental health is sufficient to continue in a rigorous educational program before they may return to the University.

A student granted a leave of absence with conditions may be required to meet with the Promotion and Graduation Committee before reinstatement.

Students granted a financial leave of absence must, prior to returning to the University, prove to the finance department of the University that they have the financial capability to advance in their education.

Students seeking an academic leave of absence must verify that all terms and conditions of the leave are stated before the leave will be granted, thereby ensuring that the student does not miss important core information.

All leaves of absence should be requested in writing to the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine, who is responsible for approving or denying requests for leaves of absence.

Students granted a leave of absence must follow the checkout process detailed below:

1. Students must present the Registrar with a letter signed by the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine indicating that a leave of absence has been approved and that check-out is in order;
2. Before leaving campus, the student must secure a checkout form from the Office of the Registrar and undergo an exit interview with the:
 - a. Office of Financial Aid;
 - b. Office of Credit and Collections;
 - c. Library;
 - d. Office of Information Technology;
 - e. Department of Anatomy;
 - f. The Office of Community Clinical Education (COM MSIII and MSIV students).

The completed checkout form must be submitted to the Office of the Registrar.

4. Once the student completes all obligations, the Office of the Registrar will release student records upon written request.

Following a leave of absence, a student must request reinstatement in writing at least two weeks in advance to the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine.

Disciplinary Situations

In cases where the administrative officers deem it necessary, a disciplinary situation may be referred to the Promotion and Graduation Committee, as detailed in the Student Conduct Guidelines. For additional information on student conduct guidelines, disciplinary actions and appeal processes, please refer to the *Student Handbook*.

University Withdrawal

It is imperative that any student who leaves the University (becomes a non-student), for any reason, complete the University's checkout procedure. Failure to complete this checkout procedure within 30 days, unless otherwise approved, will cause the University to withhold all records pertaining to the student's attendance.

The checkout procedure for a student withdrawing from the University is as follows:

1. The student must present the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine with a letter of withdrawal;
2. The student presents the Registrar with a signed letter from the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine that their request for withdrawal has been approved and that checkout is in order;
3. Before leaving campus, the student must secure a checkout form from the Office of the Registrar and undergo an exit interview with the:
 - g. Office of Financial Aid;
 - h. Office of Credit and Collections;
 - i. Library;
 - j. Office of Information Technology;
 - k. Department of Anatomy;
 - l. The Office of Community Clinical Education (COM MSIII and MSIV students).

The completed checkout form must be submitted to the Office of the Registrar no later than two weeks after the decision to withdraw was made.

4. Once the student completes all obligations, the Office of the Registrar will release student records upon written request.

Student Academic Records –

Office of the Registrar

The Office of the Registrar has a commitment to providing exemplary service to students, graduates and faculty. The department functions to provide accurate information and efficient service to the constituencies of the University while not only facilitating and coordinating activities in accordance with University policy and federal statutes, but also serving as the custodian of student academic records. The Registrar's

Office serves as an information resource for students, graduates, faculty and staff, and actively seeks ways to effectively communicate and inform those associated with the University of their rights and responsibilities.

Academic Records Requests

Requests for academic records (excluding Medical Student Performance Evaluations) will be processed by the Registrar's Office in the order they are received. Federal regulations mandate a signed request to authorize the release of student academic records. Consequently, phone requests for transcripts are not acceptable. Faxed requests, however, are acceptable for unofficial copies only.

The Registrar's Office makes every effort to respond to requests in a timely manner and has traditionally been able to process transcript requests within three to five days from the time the request was received. Depending on staff workload, the office is frequently able to process transcript requests within one day. Requests for multiple transcripts, several different documents (e.g., a request for a Transcript as well as Board scores) or requests during peak operating times (e.g., graduation), may require additional processing time. Information which is required to meet a third-party deadline should be requested with at least two weeks lead time to ensure expedient delivery and appropriate recording.

Official transcripts cost \$5, due at the time of request. Requests will not be processed unless payment has been received in full and the student or alumnus has fulfilled all financial obligations to the University. All services will be withheld in situations of default on student loans or other similar financial obligations. Official transcripts are generally forwarded directly to the receiving party. Unofficial transcripts do not carry the college seal and are stamped with a red ink identifier. Unofficial transcripts are free of charge and the first 15 MSPE letters and copies of Board Scores are also free of charge. Requests for MSPE letters that exceed the first 15 cost \$5 each.

A graduate who has lost his or her original diploma or requests a duplicate due to a name change must make a request through the Registrar's Office with supporting legal documentation. The cost for a duplicate diploma is \$125. A new diploma will have the word "duplicate" printed on the lower left corner.

Medical Student Performance Evaluation

The Medical Student Performance Evaluation (formerly the Dean's Letter) is an important document designed to assist students in obtaining admission to postgraduate programs, specifically internships and residencies. Data utilized in the creation of the Medical Student Performance Evaluation (MSPE) include academic progress, assessment of professionalism, COMLEX scores, faculty recommendations, clerkship evaluations and comments from preceptors. Information regarding volunteer service, leadership opportunities, research and/or membership in service organizations is noted. Academic Affairs personnel solicit information from students during their second year of study by having them submit a composite resume, vita and/or portfolio for inclusion in the MSPE.

Confidentiality and Disclosure of Student Records

In accordance with the Family Educational Rights and Privacy Act and the regulations promulgated thereunder (34 C.F.R. Part 99, Regulations), the University will permit inspection and review of education records of students upon the following conditions:

1. The University will notify students of their rights to review records by referring to this policy;
2. An eligible student will be allowed to inspect and review his/her education records. Requests for copies of the records should be made in the office of the Registrar, in writing, on the forms provided, and signed by the student. Records will be released in a reasonable time, and, in any event, no more than 45 days from the date of the request;
 - a. Educational records include all transcripts, confidential letters and confidential statements of recommendation, receipt of an honor or honorary recognition, letters of reprimand and all letters from the Promotion and Graduation Committee to the student;
 - b. The University will not permit a student to inspect and review educational records that are financial records, including any information those records contain, of his/her parents, or any confidential letters or statements that the student has waived his/her right to inspect and review. This provision includes confidential admission information;
3. Personal identifiable information will not be released from an educational record without the prior signed consent of the student personally identified unless:
 - a. The disclosure is to other school officials, including faculty and contracted entities, within the University whom the University has determined to have legitimate educational interests;
 - b. The disclosure is, subject to the requirements of §99.35 of the Regulations, to authorized representatives of:
 - i. The Comptroller General of the United States;
 - ii. The Secretary of Education; or
 - iii. State and local educational authorities.
 - c. The disclosure is in connection with financial aid for which the student has applied or which the student has received, if the information is necessary for such purposes as to:
 - i. Determine eligibility for the aid;
 - ii. Determine the amount of the aid;
 - iii. Determine the conditions for the aid; or
 - iv. Enforce the terms and conditions of the aid.
 - d. The disclosure is to accrediting organization to carry out their accrediting functions;

- e. The disclosure is to comply with a judicial order or lawfully issued subpoena. The University will disclose information under this paragraph only after making a reasonable effort to notify the eligible student of the order or subpoena, or the parent of a dependent student, in advance of compliance. In addition, the University will attempt to obtain the student's written consent to the release of educational records prior to compliance with the judicial order or subpoena. If the University is unable to obtain the student's written consent, the University will notify the requesting party of its requirements under §99.33 of the Regulations concerning re-disclosure of the information;
 - f. The disclosure is in connection with a health or safety emergency, under the conditions described in §99.36 of the regulations;
 - g. The disclosure is directory information. The University has designated the following types of personally identifiable information as directory information: Student's name, address, telephone listing, e-mail address, date and place of birth, photograph, major field of study, participation in officially recognized activities, dates of attendance, degrees and awards received, most recent previous educational agency or institution attended; and location, training institution and medical specialty identified for postdoctoral education;
 - h. The disclosure is in conjunction with the MSPE/Dean's Letter for submission on behalf of the student for an application for internship, residency, or fellowship.
 - i. The disclosure is in connection with a transfer of education records, under the conditions described in §99.31 and §99.34 of the regulations;
4. A legitimate educational interest by school officials, including faculty, includes requests for advisement purposes, information needed for writing letters of recommendation or commendation, or information needed to determine the academic status of a student for disciplinary measures;
 5. The University will maintain a record of all disclosures made pursuant to this policy for the length of time it maintains the educational records of the student. The record of disclosures will be available for inspection by the student;

If an eligible student believes the educational records relating to the student contain information that is inaccurate, misleading or in violation of the student's rights of privacy, he or she may ask the University to amend the record. The University reserves the right to decide whether to amend the record as requested. If the University decides not to amend the records the student will be informed of his/her right to a hearing.

For a detailed review of FERPA legislation, please refer to the U.S. Department of Education website at <http://www.ed.gov/policy/gen/reg/ferpa/index.html>.

Grades and Grading Policies -

Grades and Quality Points

The academic grades and quality point system in force at KCUMB is as follows:

<i>Grade</i>	<i>Definition</i>	<i>Quality Pts</i>
A	Excellent work: 94-100%	4.00
A-	90-93%	3.67
B+	87-89%	3.33
B	Average: 84-86%	3.00
B-	80-83%	2.67
C+	77-79%	2.33
C	Minimum Average: 70-76%	2.00
F/C	Successful Remediation/Repeat	2.00
F	Failure	0.00
S	Satisfactory/Pass	
U	Unsatisfactory/Fail	
IP	In-Progress	
I	Incomplete	
W	Withdrew	
NR	Not Reported	

The grade point average is the sum of earned grade points divided by the sum of term-hour credits passed and failed. If a student fails a section or course and successfully remediates or retakes the section or course, a grade of C will be assigned for purposes of calculating the cumulative G.P.A., class standing and ranking. Courses not remediated or repeated will be carried forward with the grade earned.

The record of each student will be reviewed each year to evaluate the student's potential for continuance. At the end of the academic year, the Promotion and Graduation Committee may recommend promotion to the following year, make-up examinations, summer remediation or dismissal.

Incomplete Grades

An instructor may assign a grade of incomplete "I" if the student has been unable to complete the course/section on time because of unavoidable conditions. The student's signature is not required for the contract to be in force. A copy of the contract will be mailed to the student by the Registrar's Office giving the student a 10-day window in which to decline the incomplete and receive their earned grade.

Any student receiving a grade of incomplete "I" must coordinate with the instructor/section director to satisfy all outstanding coursework for the course/section. Once outstanding requirements for the course are satisfied, the instructor will process

a change of grade form converting the “I” to a letter grade. The deadline for the grade change is the last day of class of the next full-length (i.e., fall or spring) term. Once this deadline has passed, the “I” becomes an “F.”

A degree cannot be awarded to a student with an incomplete grade on his/her record.

Grade Changes/Corrections

No grade will be changed unless the Associate Dean for Curricular Affairs (COM) certifies in writing, that an error occurred in computing or recording the grade, or a section or course has been successfully remediated. Such changes must be approved by the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine. If the change of grade impacts individual students rather than the entire class, or it’s because an instructor neglected to turn their grades in by the established deadline, the change of grade must be documented on a grade change form and submitted to the Office of the Registrar for processing.

Section Grade Appeal Process

A student may request that their section or course grade be reviewed. Students should request the Curriculum Coordinator for the section review their points and final grade. If the student feels an error remains, a final request to review the section grade may be made directly to the Associate Dean of Curricular Affairs.

Course Repeats and Audits

Students approved for readmission after an academic dismissal will be required to repeat their last year of attendance. Students will be registered for and must successfully repeat all section offerings that they previously failed and may be required by the Executive Vice President of Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine, to audit those courses previously passed in their last year or semester of attendance. Students approved for readmission after a period of suspension or an approved Leave of Absence may also be required to repeat or audit previous taken sections/courses.

All course enrollments and earned grades will remain on the student’s academic transcript. However, once a student successfully repeats a course/section, the most recent grade replaces the former grade in the calculation of the student’s grade point average. The maximum grade allowed for the repeat of a traditionally graded course/section is a “C,” which is recorded as an F/C on the academic transcript. If the successfully repeated course is an elective or fourth-year clerkship, the grade will be recorded as a U/S on the transcript.

Additionally, the original failure will have an asterisk (*) placed beside the grade to signify that it is no longer computed in the grade point average.

Academic Renewal

Academic Renewal is designed for medical students who are successful in being readmitted after an extended absence of no less than four academic years and whose cumulative grade point average when last enrolled was less than 2.00.

Academic renewal permits students to re-enroll in the medical program and begin anew. All previously earned grades remain on the student's academic transcript, but the student carries no grade point average at the time of readmission. All previous grades will be marked with an asterisk (*) indicating that they are no longer computed in the GPA and an academic renewal notation will be included on the transcript.

If academic renewal is granted, the student may be asked to repeat certain courses/sections and must successfully pass all remaining academic requirements to continue eligibility for enrollment. Failure to do so will result in academic dismissal with no opportunity to appeal.

Students who have returned under academic renewal are not eligible for Latin Honors.

Former students interested in petitioning for academic renewal must submit a letter of request, along with a justification statement and two letters of reference to the Executive Vice President of Academic and Medical Affairs, and Dean of the College of Medicine.

Academic Assessment, Status and Promotion –

Eligibility for Continued Enrollment

At the end of the academic year and as needed, KCUMB's Promotion and Graduation Committee evaluates student performance. Students are considered for promotion one academic year at a time. At any time, the University, by recommendation of the Promotion and Graduation Committee and/or the action of the administrative officers, reserves the right to place on conditional or stipulated status, suspend or dismiss a student who has failed to:

- Maintain acceptable standards of academic performance.
- Maintain acceptable ethical, moral, personal or professional conduct.
- Abide by the University's policies, rules and regulations.
- Fulfill legal or financial obligations to the University.
- Demonstrate mental and emotional fitness commensurate with the expectations of a practicing physician or scientist.

Assessment Policy

A. Testing/Grading

- i. The school year is divided into fall, spring and summer semesters. Each COM semester during Years I and II has a designated number of Sections, with each

Section having an assigned number of semester hours (or unit measure), as calculated by the Registrar.

2. Assessment during each COM Section will consist of:
 - a. Midterm exam;
 - b. Comprehensive Final Exam;
 - c. End of the Section lab practicals for Anatomy and Pathology, as applicable. (Note: Students must pass all lab practicals with a score of 70 percent in order to continue the academic program.)
 - d. Integrated Osteopathic Clinical Skills, which includes weekly quizzes, lab practicals and other assignments/assessments. (Note: Students must pass all lab practicals and skills assessments with a score of 70 percent in order to continue in the academic program.)
 - e. Standardized patient interviews
3. Students will receive a letter grade for each COM Section. Points will be assigned for case presentations, laboratory and online exercises, Section midterm, the Section final exam and laboratory practical examinations. A total point score for the Section will be calculated.

A letter grade will be assigned to the score for the Section by the Section Director and the Associate Dean for Curricular Affairs. Grades are submitted to the Dean of the College of Osteopathic Medicine for final approval. The following scale will be used to assign the grades:

<i>Score (%)</i>	<i>Grade</i>
94-100	A
90-93	A-
87-89	B+
84-86	B
80-83	B-
77-79	C+
70-76	C
0-69	F

Percentage scores will be rounded to the nearest whole percentage when assigning grades. Section scores may be adjusted to a mean score of 85 percent when the section mean falls below 85 percent.

4. COM End-of-Year Assessment includes:
 - a. Clinical Skills Assessment (CSA), using an Objective Structured Examination (OSCE) format. Skills tested will include doctor-patient communication/interviewing skills, physical exam skills and Osteopathic Clinical Skills. Each component will comprise one-third of the test and will be weighted evenly. Students must pass all three components to pass the CSA. Grading will be Satisfactory/Unsatisfactory. This grade for Year II will be

listed separately on the transcript. For Year I, this grade will be inclusive of IOCS Clinical and OCS Communication Skills.

- b. Year I - Cumulative written examination. The board-like examination will include questions related to the sections completed during Year I. Grading will be Satisfactory/Unsatisfactory. Satisfactory performance will be 70 percent with the mean adjusted to 85 percent if the mean falls below 85 percent.
 - c. Comprehensive Basic Science shelf exam following Year II will be optional and administered near the end of the academic year.
5. The Registrar will calculate an overall GPA and class standing for COM students each semester during the first two years and at the end of the third year. Class standing at graduation will include performance on third-year core clerkships. This information will then be reported to students.
 6. Evaluations for Continuous Quality Improvement (CQI) and Student Evaluation of Teaching will be completed at the end of each COM Section.

B. Promotion to COM Years Two and Three

1. Satisfactory completion (passing grades) of:
 - a. All Sections
 - b. Clinical Skills Assessment Examination
 - c. Cumulative Examination, and
 - d. OCS and Anatomy Practical Examinations.
2. Successful completion of early clinical experience ECE 001.
3. Successful completion of COMLEX 1 (prior to participation in clerkship experiences)
4. Be recommended for promotion by the Promotion and Graduation Committee. All records are reviewed to determine whether or not the student has fulfilled all academic requirements; has maintained the standards of ethical, moral, personal and professional conduct required for the continued study of osteopathic medicine; and is mentally and emotionally fit to become a physician.

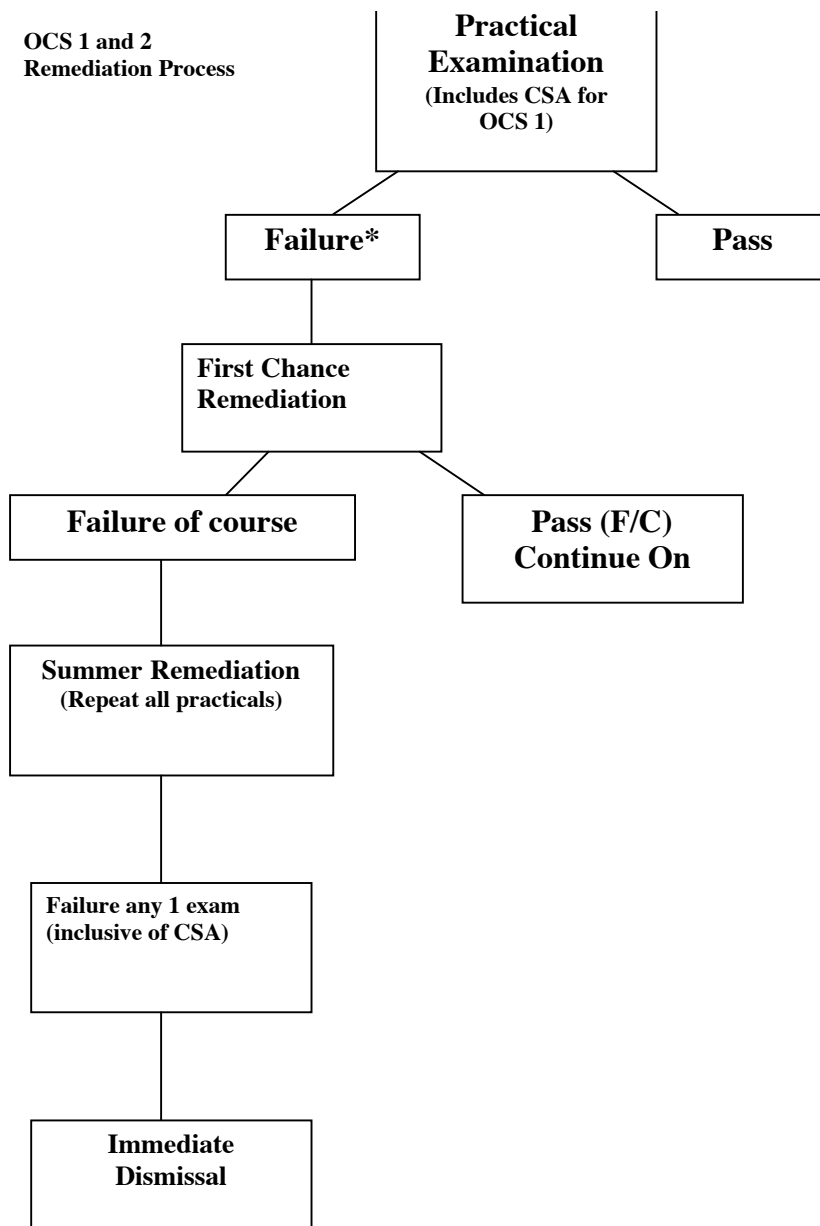
C. Remediation

1. Failure of no more than two COM Sections in one academic year and failure of no more than three sections during the first two years (years MSI plus MSII). Remediation attempts will occur in accordance with the published remediation schedule. This will consist of completion of a Remediation Plan (including a written examination) developed by the Section Director in which the failure occurred.
2. Failure of the COM Cumulative Exam: Remediation will be permitted with one section failure in one year or two or fewer sections and/or cumulative exam failures in the first year (years MSI plus MSII). Remediation will be considered successful with receipt of a passing grade on the remediation exam.

3. COM-OCS students are allowed to fail two practical examinations per year with the opportunity to take the first chance remediation process. Upon the third practical examination failure in a year (inclusive of the CSA for Year I only), the student fails the section and will go to the summer remediation process and failure of any one of the practical examinations would result in immediate dismissal.

Grade Assessments for Reinstated Students

Reinstated students are held accountable to all previously earned grades and they remain part of the permanent student record. If, upon returning, a student is required to retake a previously failed section, the retake will replace the entire remediation process for that section and will supercede the remediation process described for academic failures of continuously matriculated students. If the returning student fails the section a second time, the consequences will be identical to those described for failing the remediation process for a continuously matriculated student.



Remediation Procedures for COM Students

It is the responsibility of the COM student to be aware of his/her academic status at all times and to attend all scheduled remediations, when applicable. Failure to attend a scheduled remediation exam will result in a failing grade for that remediation attempt and potential dismissal from the University.

FAILURE OF ONE SECTION

Remediation Examination is administered:

- Remediation Examination is successfully completed: **PROMOTION** (Successful remediation will be reflected on transcript with an F/C recorded.)
- Remediation Examination is failed (two total attempts allowed): **DISMISSAL**

FAILURE OF TWO SECTIONS

Remediation Examination for first section is administered:

- First Remediation Examination is failed (two attempts allowed):
DISMISSAL
- First Remediation Examination is successfully completed: STUDENT
TAKES SECOND REMEDIATION EXAMINATION
- Second Remediation Examination is successfully completed:
PROMOTION (Successful remediation will be reflected on transcript
with an F/C recorded.)
- Second Remediation Examination is failed (two total attempts):
DISMISSAL

FAILURE OF CUMULATIVE EXAMINATION:

Remediation examination is administered:

- Cumulative Remediation Examination is successfully completed:
PROMOTION (Successful remediation will be reflected on transcript
with an F/P recorded.)
- Cumulative Remediation Examination is failed (two total attempts
allowed): DISMISSAL

FAILURE OF ONE SECTION AND CUMULATIVE EXAMINATION:

- Section Remediation Examination is failed (two total attempts allowed):
DISMISSAL
- Section Remediation Examination is successfully completed
(Successful remediation will be reflected on transcript with an F/C
recorded.): remaining obligation to successfully pass the Remediation
Cumulative Examination
- Remediation Cumulative Examination is successfully completed:
PROMOTION (Successful remediation will be reflected on transcript
with an F/P recorded.)
- Remediation Cumulative Examination is failed (two total attempts
allowed): DISMISSAL

FAILURE OF COMLEX 1:

- Failure of first attempt: Student placed on modified curriculum that
includes up to a two-month delay in clinical clerkship participation and
mandatory enrollment in IDIS 001 – NBOME Preparation. For additional
details, please refer to the *Student Handbook*.
- Student passes COMLEX 1 on second attempt: Promotion to third year.
(Note: once student retakes the COMLEX 1 exam, he/she is allowed to
continue with clinical clerkships in anticipation of a passing grade.)
- Failure of second attempt: Student placed on modified curriculum that
includes additional delays in clinical clerkship participation and

mandatory enrollment in IDIS 001 – NBOME Preparation for a second or subsequent time. For additional conditions and details, please refer to the *Student Handbook*.

- Failure of third attempt: DISMISSAL

FAILURE OF COMLEX 2-CE:

- Failure of first attempt: Student placed on modified curriculum that includes up to a two-month delay in clinical clerkship participation and mandatory enrollment in IDIS 002 – NBOME Preparation. For additional details, please refer to the *Student Handbook*.
- Student retakes COMLEX 2-CE exam: Student allowed to return to clinical clerkships in anticipation of a passing grade.
- Failure of second attempt: Students have a total of five combined attempts to pass COMLEX 1 and 2. If student has not yet exceeded this limit, they may continue to prepare themselves for the next examination. Student is placed on modified curriculum that includes additional delays in clinical clerkship participation and mandatory enrollment in IDIS 002 – NBOME Preparation II, for a second time. Otherwise, student is dismissed. For additional details, please refer to the *Student Handbook*.
- Failure of third attempt: DISMISSAL

FAILURE OF COMLEX 2-PE:

- Failure of first attempt: Student removed from clinical clerkships and required to return to Kansas City to receive one-on-one instruction from a clinical faculty member as assigned by the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine. Student placed on a modified curriculum that includes up to a one-month delay in clinical clerkship participation and mandatory enrollment in IDIS 002 – NBOME Preparation II. For additional details, please refer to the *Student Handbook*.
- Student retakes COMLEX 2-PE: student allowed to continue with clinical clerkships in anticipation of a passing grade.
- Failure of second attempt: DISMISSAL

D. Dismissal

Dismissal from the COM will result from:

1. Failure of three sections during a single year of the curriculum (MSI) or failure of a total of four sections in the first two years' curriculum (MSI plus MSII).
2. Failure of two sections and the Cumulative Examination for Year I or three sections in Year I. Failure of three sections for Year II.
3. Failure to successfully remediate any failed section or Cumulative Examination (two total attempts allowed).
4. Failure of two clerkships.

5. Failure to pass COMLEX 1, 2-CE and 2-PE within five attempts and five years, or failure to pass COMLEX 2-PE after two attempts.

Academic Standing/Status

A student is considered to be in good academic standing if they achieve a passing grade in a minimum of five of seven sections in year one and four of six sections in year two, earn a cumulative grade point average of 2.0 or better at the conclusion of each academic year, plus complete all other academic requirements necessary for promotion (e.g., Score 1 participation, Early Clinical Experience, and electives).

For years three and four, students must satisfactorily complete all required core clerkships and approved clinical experiences. Incomplete grades cannot be counted toward these requirements.

The Promotion and Graduation Committee and/or Administrative Officers may recommend a change in student status even though a student's grade point average is 2.0 or higher. A student who has been placed on conditional or stipulated academic standing/status may be precluded from active participation in university sponsored extra curricular events.

Conditional Status is a designation for students who have failed one or more courses or sections (and do not qualify for dismissal) or a clinical clerkship and have yet to complete remediation. Conditional status students will be allowed to continue in the academic program until such time as remediation is satisfactorily completed per the University's remediation policy. Once remediation successfully occurs, the student may be removed from conditional status. Conditional status students are considered to be making satisfactory academic progress in the University's academic programs.

Conditional status students may be required to participate in special services offered by the University, including but not limited to: programs on tutoring, counseling, mentoring, examinations of standardized patients and study skills classes. Conditional status students are restricted from taking COMLEX or USMLE examinations until they have successfully completed KCUMB's curricular prerequisites.

Stipulated Status is a designation applied to students who have restrictions imposed either by administrative directive or by the Promotion and Graduation Committee. The stipulations applied to the student will determine whether or not the student is considered to be progressing satisfactorily in the academic program. Stipulated status shall continue for the period specified by the order and will outline the conditions to be met. An administrative directive is required to release a student from stipulated status.

Clinical Clerkships Policy

If a student fails one clinical clerkship, the Office of Community Clinical Education will schedule a remediation block in the same discipline. The student will be immediately placed on conditional status until the failure is successfully remediated. If a student fails more than one clinical clerkship, he/she will be dismissed.

If a student requires remediation, the remediation clerkship(s) will take place at a clinical site and with clinicians determined by the University. The remediation schedule may partially or completely alter the content and location of the student's clinical clerkships and may delay graduation or the fulfillment of University academic and professional requirements. If the student fails a remediation clerkship he/she will be dismissed from the University.

Written Complaints Against a Student on Clinical Clerkships

If an attending physician, director of medical education, clinical staff member, patient or other relevant party files a written complaint against a student with the University, the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine may immediately suspend the student pending investigation.

Dismissal and Checkout of Students

The University reserves the right to dismiss any student at any time prior to graduation. Circumstance warranting such action may be of an academic, financial, health, legal or social nature.

It is imperative that any student who leaves the University (becomes a non-student), for any reason, complete the University's checkout procedure. Failure to complete this checkout procedure will cause the University to withhold all records pertaining to the student's attendance. The checkout procedure is as follows:

1. If the student is withdrawing, he/she must present the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine (COM students) or Dean of the College of Biosciences (COB students) with a letter of withdrawal, or if he/she is requesting a leave of absence, he/she must present the Registrar with an approved request signed by the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine (COM students) or Dean of the College of Biosciences (COB students);
2. If the student is being dismissed, the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine (COM students) or Dean of the College of Biosciences (COB students) will inform the Registrar of the dismissal as soon as possible and communicate with the student who is being dismissed that checkout is in order;
3. Before leaving campus, the student must secure a checkout form from the Office of the Registrar and undergo an exit interview with:
 - a. Office of Financial Aid;
 - b. Office of Credit and Collections;
 - c. Library;
 - d. Office of Information Technology;
 - e. Department of Anatomy;
 - f. Office of Community Clinical Education (COM students).

- The completed checkout form must be submitted to the Office of the Registrar.
4. Once the student completes all obligations, the Office of the Registrar will release student records upon written request.

Dismissal Appeals Process

The student has five days following receipt of a notice of dismissal to file an Intent-to-Appeal to the Office of the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine. The Intent-to-Appeal letter is required to expedite the process, and failure to file a letter indicating an intent-to-appeal within the five-day period will nullify the continued appeals process.

COM students in years I and II may continue to attend classes and sit for quizzes/examinations (with the exception of remediation exams and COMLEX Board exams) during the appeals process with the approval of the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine. Due to malpractice coverage, students on clerkships will not be allowed to continue on clerkships pending the appeals process for dismissal.

For additional details regarding how to draft and file an appeal, please refer to the *Student Handbook*.

Exceptions to Academic Policy

The KCUMB Catalog is the basic authority for academic requirements and associated policies. All students are expected to follow the catalog in the pursuit of their degrees. On occasion, however, extraordinary circumstances may warrant departures from the catalog requirements. Students who believe their situation warrants a deviation from academic policy may petition for an exception to policy by filing an appeal with the Executive Vice President of Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine.

There are, however, several academic requirements and procedures for which exceptions are never made, even through the academic petition process (i.e., successful completion of course/section requirements; minimum GPA to graduate, etc.)

Graduation and Commencement Requirements -

Degree Requirements

A student who has fulfilled all the academic requirements may be granted the doctor of osteopathic medicine degree provided the student:

- Has been in residence at an AOA-accredited college of osteopathic medicine, the last two years of which must have been at KCUMB;
- Has complied with all the curricular, legal and financial requirements of KCUMB;
- Attends, in person, the ceremony at which time the degree is conferred;

- Has passed Levels 1, 2-CE and 2-PE of the COMLEX examination administered by the National Board of Osteopathic Medical Examiners;
- Has demonstrated the ethical, personal and professional qualities deemed necessary for the successful and continued study and practice of osteopathic medicine;
- Has demonstrated suitability for the practice of osteopathic medicine as evidenced by the assumption of responsibility for patient care and integrity in the of clinical activities;
- Has attained the age of 21;
- Has received formal approval for graduation from the faculty and Board of Trustees.

COM students must graduate within five years of the date of matriculation. Exceptions to the five-year policy will be considered by the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine on an individual basis, taking into account only extenuating circumstances.

NBOME Academic Requirements

Successful completion of the National Board of Osteopathic Medical Examiners examinations is required for osteopathic medical graduates to become licensed. The NBOME examinations are composed of four sequential segments – COMLEX 1, COMLEX 2-CE, COMLEX 2-PE and COMLEX III. All KCUMB students must pass COMLEX 1, COMLEX 2-CE and COMLEX 2-PE to qualify for graduation from the University. A preponderance of KCUMB students successfully pass each segment of the NBOME exams on their first attempt.

The NBOME examination sequence follows exacting timelines and has restrictions on numbers of retakes in cases of initial failures. COMLEX 1 and COMLEX 2-CE can be taken only three times each, but a student is restricted by the University to a total of five combined attempts at passing COMLEX 1 and COMLEX 2-CE. A student will have two separate attempts to pass COMLEX 2-PE. Students must successfully complete the requirement of passing COMLEX 1 and COMLEX 2-CE within five attempts and within five years from the date of matriculation. A student failing to meet these precise timeline requirements will be dismissed from the University. Refer to the *Student Handbook* for additional details.

Commencement Ceremony

Participation in the commencement ceremony is mandatory for all students who have fulfilled their degree requirements. Students who have successfully met all academic requirements, including COMLEX 1 and 2-CE, but who did not successfully pass COMLEX 2-PE on their first attempt may also participate in the commencement ceremony as a *prospective* graduate, provided the student has met the following conditions:

- Has participated in KCUMB's sponsored remediation for failure of COMLEX 2-PE;
- Has re-scheduled and retaken the COMLEX d-PE examination at the earliest possible date (as documented by the Office of the Dean) before the day of commencement;
- KCUMB has not yet received his/her scores; and
- The student fully expects that all degree requirements will be met no later than November 30 following the commencement ceremony.

Class Rank and Latin Honors

Class rank at graduation is based on the cumulative grade point average for all first and second-year courses and all third-year core clinical clerkship clerkships.

The criteria for graduating with Latin honors are as follows:

- Top 2 percent of class: Summa Cum Laude
- Next 5 percent of class (3 -7 percent): Magna Cum Laude
- Next 5 percent of class (8-12 percent): Cum Laude

COM CURRICULUM

Doctor of Osteopathic Medicine

General Overview

The curriculum at Kansas City University of Medicine and Biosciences College of Osteopathic Medicine consists of four years of structured training leading to the Doctor of Osteopathic Medicine. The first two years of the curriculum are classroom oriented, covering the foundations of basic and clinical medical sciences. Osteopathic principles and philosophy as well as contemporary concepts in medical education are integrated into the four-year curriculum. The last two years focus on training in clinical settings.

Curriculum Philosophy

The purpose of the curriculum is to advance the mission of the University and College in preparing its graduates to be highly competent osteopathic physicians. To that end, an enhanced curriculum was implemented in August 2000 (beginning with the Class of 2004). This curriculum eliminated the artificial separation of basic and clinical sciences, integrating all essential concepts and information into a seamless continuum of clinical presentations. The foundations of anatomy, biochemistry, epidemiology, genetics, immunology, medical ethics, microbiology, osteopathic principles and practices, pathology, pharmacology, physiology and the clinical disciplines of internal medicine, pediatrics, family medicine, surgery, OB/GYN and psychiatry are incorporated into clinical presentations covering all diseases physicians will encounter during day-to-day practice. Health-care policy, medical informatics, professionalism, and health and wellness are also integrated into the curricular structure.

The patient-centered curriculum prepares students to begin analyzing and integrating medical information in a format used by medical practitioners. The curriculum approach integrates the basic and clinical sciences from the first day of medical school, eliminating the former postponement of meaningful clinical decision making until the third year of medical school.

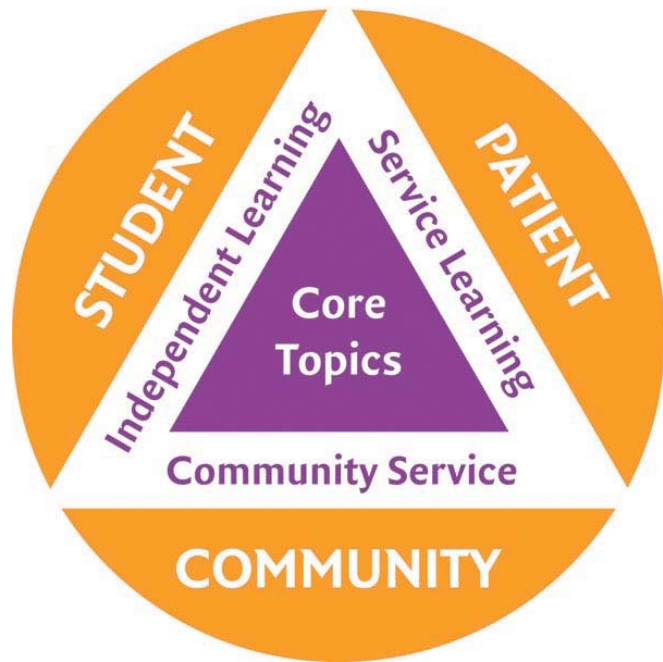
Teaching Methods

A variety of teaching and learning methods are used in the first two years. These methods include classroom lectures, laboratory exercises, small-group discussions, computer-assisted instruction, specialized workshops, and the use of standardized patients and human patient simulators.

Professional Enrichment Program

Medical students engage in a Professional Enrichment Program (*PEP*) after each two sections in the Genesis Curriculum. This one to two week program embraces three components essential to the training and development of future physicians: service learning, community service and independent learning.

Students participate in a variety of clinical experiences and service projects along with independent learning opportunities selected by students to enhance previously studied material or areas representing a new interest. During *PEP*, students are also exposed to current topics important in medical practice and patient care.



PEP I – The first *PEP* period focuses on enhancing student learning skills and providing students opportunities to experience ways to minimize stress during the rigors of medical education. *PEP I* occurs at the end of the Musculoskeletal section and lasts one week. Students engage in service learning through Score 1 for Health and other activities. Core topics are introduced providing students with an introduction to material important for practice and lifelong learning.

PEP II – The second *PEP* provides students with the first opportunity to begin organizing a curriculum vita that will be an integral part of professional development and presentation. Community service and learning opportunities, including early clinical experiences, will be available and students may select electives to enrich their learning experience. Career choices will be explored and core topics will continue. *PEP II* occurs at the end of the Cardiopulmonary II section and lasts one week.

PEP III – The second year is an intense year of academic undertaking and three *PEP* periods are provided for students. *PEP III* occurs at the end of Neuroscience II and lasts two weeks. Students have a greater opportunity to engage in electives and career development activities to help develop interests prior to clinical clerkship training. Longitudinal core topics continue as well as newer topics that are more closely aligned with medical practice.

PEP IV– PEP IV extends second year experiences, occurs at the end of the Endocrine section and lasts two weeks. Students may engage in service learning, community service and electives while also attending classes addressing core topics for medical practice.

PEP V– This two-week period provides students electives, service learning and community service. PEP V begins at the end of the Reproduction and Development section. An important aspect of PEP V is a review of formative evaluations during preclinical training and enhancing skills required for assessments at the end of year two.

PEP-Clinical is a two-week period in the summer semester that is devoted to special topics required for beginning clinical clerkship experiences. Among these are ACLS certification, CSA examination, review of licensing requirements, and OSHA and HIPAA training.

First-Year Curriculum

The courses offered in the first year are:

MED 101	Foundations of Medicine (5 weeks)
MED 102	Musculoskeletal (6 weeks)
MED 107	Cardiopulmonary I (6 weeks)
MED 109	Cardiopulmonary II (6 weeks)
MED 106	Gastrointestinal (6 weeks)
MED 108	Renal (6 weeks)
OCS 101	Osteopathic Clinical Skills I (17 weeks)
OCS 102	Osteopathic Clinical Skills II (19 weeks)
ECE 001	Early Clinical Experience (non-credit, required)
BCLS	Basic Cardiac Life Support (non-credit, required)
CUM EX I	Cumulative Examination I

The Professional Enrichment Program (PEP) I and II are part of the first-year curriculum.

Special notes:

- *Beginning with the Class of 2013, students are also required to attend one autopsy experience and complete a minimum of 4 semester credits of electives prior to beginning year III. Students may elect to complete these requirements anytime within their first and/or second year of study.*
- *Dual degree students (D.O./M.A. and D.O./M.B.A.) may request a waiver of up to 2 semester elective credits.*
- *Elective course IDIS 110 has additional restrictions that apply to the dual D.O./M.A. Bioethics degree program. Please refer to the IDIS 110 course description as posted to this catalog.*

First-Year Course Descriptions

MED 101 – Foundations of Medicine (5 weeks)

Foundations of Medicine is designed to build a knowledge base that will assist first-year students in understanding the material presented in subsequent sections. The course focuses on baseline fundamental knowledge in areas of biochemistry, embryology, genetics, immunology, pathology, pharmacology and physiology. Osteopathic diagnosis and treatment (ODT) of disorders is introduced as part of the course.

7.5 semester credits

MED 102 – Musculoskeletal (6 weeks)

The Musculoskeletal section introduces the basic and clinical sciences of back pain, musculoskeletal disease, including limb and joint pain via clinical presentations. Other musculoskeletal-related topics covered in this section include aging, alternative therapies, exercise, and women's health and rehabilitation. Osteopathic diagnosis and treatment (ODT) of disorders is integrated throughout the course. At the conclusion of each clinical presentation, a practicing clinician, along with basic scientists, conducts a review of the presented material for the purpose of integrating basic science and clinical information.

9 semester credits

MED 107 – Cardiopulmonary I (6 weeks)

This course is a multidisciplinary approach to understanding the basic and clinical science of common cardiopulmonary disorders. Students are introduced to diagnoses and treatments of relevant disorders and several are supported by patient presentations including the normal patient, cough and dyspnea, and hemoptysis. Appropriate skills laboratories, standardized patients, discussion groups, computer-assisted learning and problem solving will be incorporated into this section to supplement the lecture presentations.

8 semester credits

MED 109 Cardiopulmonary II (6 weeks)

This course is a continuation of Cardiopulmonary I and provides additional information to students about normal and abnormal function of the cardiopulmonary system with a greater emphasis on clinical application. Patient presentations include hemoptysis, chest pain and the sleepy patient.

9 semester credits

MED 106 – Gastrointestinal (6 weeks)

The Gastrointestinal section introduces medical students to the gastrointestinal system, from normal structure/function of the GI tract to the clinical presentation of major pediatric, adult and geriatric gastrointestinal diseases/dysfunctions, including the clinical presentation of nausea and vomiting, jaundice, abdominal pain and changes in bowel habits. Also included is a discussion of nutrition as it applies in the normal person and in special circumstances. The section will be presented in lecture, small-group discussion, computer-aided instruction and laboratory formats. Osteopathic diagnosis and treatment (ODT) of disorders is integrated throughout the section. At the conclusion of each clinical presentation, a practicing clinician, along with basic scientists, conduct a review of the presented material for the purpose of integrating basic science and clinical information.

9 semester credits

MED 108 – Renal (6 weeks)

The Renal section integrates anatomy, physiology and pathology with diagnosis, treatment and management of diseases affecting the renal system. The section begins with basic information on the structure and function of the kidneys, ureters and bladder. The role of the kidney in the regulation of blood pressure, acid/base and electrolyte balance, and in red blood cell production will be established. Students will integrate this basic knowledge and come to an understanding of the pathophysiology and multisystem nature of diseases of the kidneys, ureters and bladder, including hypertension, acid/base disorders and electrolyte imbalance. The section utilizes case presentations in both lecture and discussion group/laboratory activities. Osteopathic diagnosis and treatment (ODT) of disorders is integrated throughout the section. At the conclusion of each clinical presentation, a practicing clinician, along with basic scientists, conduct a review of the presented material for the purpose of integrating basic science and clinical information. (Previously MED 201)

9 semester credits

OCS 101 – Osteopathic Clinical Skills I (17 weeks)

OCS 101 is the first semester of a two-year longitudinal course that will meet weekly through out each semester. It is designed to teach students foundations of the history and philosophy of osteopathic medicine, how to perform a history and physical exam, appropriately communicate with patients, and integrate the use of osteopathic principles and practices into patient care. The four primary areas of focus in the OCS 101 course are professional communication; physical examination skills; osteopathic manipulative medicine diagnostic skills; and medical record documentation. The varied learning opportunities provide foundational cognitive and psychomotor skills to prepare the student to progress into further OCS curricular offerings.

4 semester credits

OCS 102 – Osteopathic Clinical Skills II (19 weeks)

OCS 102 is the second semester of a two-year longitudinal course and meets formally every week throughout the semester. It is designed to teach students how to perform a history and physical exam as dictated by the body systems covered by other sections, continue to develop appropriate communication with patients, and integrate the use of osteopathic principles and practices into patient care. The four primary areas of focus in the OCS 102 curriculum are professional communication; physical examination skills; osteopathic manipulative medicine diagnostic and treatment skills; and medical record documentation.

3 semester credits

BCLS – Basic Life Support

Non-credit. Certification is required to advance to second year of studies. All students must take the KCUMB offered course. Graded S/U.

ECE 001 – Early Clinical Experience

This is a non-credit, required course designed to provide students with early clinical exposure during a four-hour shadowing experience completed in the greater Kansas City metropolitan area. Graded S/U.

Cum Ex I – Cumulative Examination I

This cumulative examination is required at the completion of the first year of academic study and must be passed to progress to the second year of study. This non-credit exam is recorded on the transcript at the end of the second semester of the first year and is posted as S/U.

Second-Year Curriculum

The course offerings in the second year are:

MED 211	Neuroscience I (6 weeks)
MED 212	Neuroscience II (5 weeks)
MED 210	Skin, Blood and Lymph (6 weeks)
MED 202	Endocrine Section (6 weeks)
MED 203	Reproduction and Development (8 weeks)
ACLS	Advanced Cardiac Life Support non-credit, required
CSA	Clinical Skills Assessment non-credit, required
IOCS II*	Integrated Osteopathic Clinical and Communication Skills (ends with Class of 2012)
OCS 201	Osteopathic Clinical Skills III (begins with Class of 2013)

OCS 202 Osteopathic Clinical Skills IV
(begins with Class of 2013)

Professional Enrichment Program III-V and PEP-Clinical are part of the second-year curriculum.

Special Note: Starting with the class of 2013, IOCS II will be deactivated and replaced with OCS III and IV.

Second-Year Course Descriptions

MED 211 – Neuroscience I (6 weeks)

The Neuroscience section introduces the neuroscience and pathophysiologic basis of neurologic disease. Emphasis on an integration of disciplines with diagnosis, treatment and management of diseases affecting peripheral and central nervous systems.

(Previously MED 204)

9 semester credits

MED 212 – Neuroscience II (5 weeks)

The Neuroscience II section extends the fundamentals of Neuroscience I with a focus on human behaviors affected through normal and abnormal neurological functioning.

7.5 semester credits

MED 210 – Skin, Blood and Lymph (6 weeks)

The Skin, Blood and Lymph section is presented in two sections. Students initially learn the basic histology and physiology of the skin. Diseases of the skin including wounds, skin infections, immunopathologic skin diseases and tumors are studied. Descriptive terms in dermatology are emphasized.

The second portion introduces the cellular and humoral components of the blood and the structure and function of lymphoid tissues, while continuing to build the function of the immune system. Students will consider diseases and disease processes affecting red and white blood cells and lymphoid tissue. Disease entities studied include anemias, polycythemia, bleeding and clotting disorders, leukemias and immunodeficiency disorders, including HIV infection/AIDS. Osteopathic diagnosis and treatment (ODT) of disorders is integrated throughout the section. At the conclusion of each clinical presentation, a practicing clinician, along with basic scientists, conduct a review of the presented material for the purpose of integrating basic science and clinical information. (Previously MED 103).

9 semester credits

MED 202 – Endocrine (6 weeks)

The Endocrinology section focuses on the synthesis, function and regulation of various hormones in both normal and disease states. The structure and role of various endocrine organs is studied. Content for each presentation will include basic science material fundamental to understanding of the normal condition along with clinically relevant material such as diagnosis and treatment. Presentations such as diabetes will correlate metabolic and physiologic changes with the underlying disease process. The section will be presented using lecture, small-group discussion, computer-aided instruction and laboratory formats. Osteopathic diagnosis and treatment (ODT) of disorders is integrated through the section. At the conclusion of each clinical presentation, a practicing clinician, along with basic scientists, conduct a review of the presented material for the purpose of integrating basic science and clinical information.

9 semester credits

MED 203 – Reproduction and Development (8 weeks)

The Reproduction and Development section introduces the male and female reproductive systems. The section will begin with a discussion of the early development from fertilization through delivery with a focus on normal structure and function of the male and female systems. Abnormal development and behaviors will also be presented.

12 semester credits

ACLS – Advanced Cardiac Life Support

Non-credit. Certification is required prior to clinical clerkship participation and for graduation. All students must pass KCUMB's course. Graded S/U.

IOCS II – Integrated Osteopathic Clinical and Communication Skills II

This is the second portion of a two-year curriculum. It builds on the skills learned in IOCS I and is designed to teach students how to perform a history and physical exam, appropriately communicate with patients, and integrate the use of osteopathic principles and practices into patient care. (Scheduled for fall 2010 deactivation.)

5 semester credits

OCS 201 – Osteopathic Clinical Skills III (17 weeks)

OCS 201 the third component of a two-year longitudinal course that meets formally every week throughout the semester. It is designed to teach students more of the history and physical exam as related to systems covered within the sections, continue to learn appropriate communicate with patients by beginning to integrate the physical examination skills, and integrate the use of osteopathic principles and practices into patient care. The primary areas of focus in the OCS 201 curriculum are professional communication with integration of physical examination skills and documentation of the encounter; application of new osteopathic manipulative medicine skills taught in the course. (OCS 201 begins with the Class of 2013.)

3 semester credits

OCS 202 – Osteopathic Clinical Skills (16 weeks)

OCS 202 is a continuation of the two-year longitudinal course that meets weekly through the semester. It designed to teach students more osteopathic treatment modalities applicable to many regions of the musculoskeletal system with application of osteopathic principles and practice (inclusive of integration of manipulative skills) to patients with specific types of illnesses will be taught. The primary areas of focus of OCS 202 is the mastery of professional communication; physical examination skills; osteopathic manipulative medicine skills, integrating physical examination skills into the communication portion of the curriculum and medical record documentation. (OCS 201 begins with the Class of 2013.)

2.5 semester credits

CSA – Clinical Skills Assessment

This transcript notation represents the testing of second year medical student's communication/interviewing skills, physical exam skills and integrated osteopathic clinical skills. Each component of the test comprises one-third of the assessment and each are weighted evenly. Students must pass all three components of the test to receive a satisfactory grade. Graded S/U.

Non-credit, required

Second-Year Clinical Care Practicums

Clinical Care Practicums are designed to provide second-year students with exposure, supervised observation and training to further their understanding in the disciplines identified below. The experiences take place in a wide variety of clinical, office and hospital settings presenting unique opportunities with regard to the spectrum of clinical situations encountered. Specific goals and learning objectives are provided to enhance the learning experience. Clinical Care Practicums are typically offered during the summer immediately following the conclusion of the MSI curriculum, are variable credit (2-8 credit hours) depending on time on task and are always graded S/U.

EMED 220 CCP: Emergency Medicine

FMED 220 CCP: Family Medicine

IMED 220 CCP: Internal Medicine

SURG 220 CCP: Surgery

OBGY 220 CCP: OBGYN

PEDS 220 CCP: Pediatrics

FMED 222 CCP: Preventive/Community Medicine

OPP 220 CCP: Osteopathic Manipulation

PATH 220 CCP: General Pathology

PATH 221 CCP: Forensic Pathology

PATH 222 CCP: Transfusion Medicine

PATH 224 CCP: Surgical Pathology

Preparatory Courses

IDIS 001 – NBOME I Preparation

This is a mandatory course for students who are unsuccessful in passing COMLEX 1. Students formulate a detailed independent study plan in conjunction with the Director of Learning. This course is graded S/U based on passing of the COMLEX 1 exam and meets no clinical graduation requirement. Credit value is variable depending on the individualized plan of study and required time on task. However, first time enrollees are required to participate in a minimum of 37.5 hours of study per week for eight weeks. Course may be repeated for credit up to a maximum of 54 credits as approved by the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine. Repeat credit is assigned based on weekly increments of 37.5 contact hours (1.5 semester credits). Students should refer to the *Student Handbook* for additional details.

1.5-18 semester credits

IDIS 002 – NBOME II Preparation

This is a mandatory course for students who are unsuccessful in passing COMLEX 2-CE. Students formulate a detailed individualized study plan in conjunction with the Director of Learning. This course is graded S/U based on passing of the COMLEX 2-CE exam and meets no clinical graduation requirement. Credit value is variable depending on the individualized plan of study and required time on task. However, first time enrollees are required to participate in a minimum of 37.5 hours of study per week for eight weeks. Course may be repeated for credit up to a maximum of 54 credits as approved by the Executive Vice President of Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine. Repeat credit is awarded based on increments of 1.5 credits or 37.5 contact hours. Students should refer to the *Student Handbook* for additional details.

1.5-18 semester credits

IDIS 002p – NBOME II-PE Preparation

This is a mandatory course for students who are unsuccessful in passing COMLEX 2-PE. Students are required to return to Kansas City to receive one-on-one instruction from a clinical faculty member as approved by the Executive Vice President of Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine. This course is graded S/U based on passing of the COMLEX 2-PE exam and meets no clinical graduation requirement. Credit value is variable depending on the individualized plan of study and required time on task. Credit is assigned based on increments of 1.5 credits or 37.5 contact hours. Students should refer to the *Student Handbook* for additional details.

1.5-18 semester credits

First- and Second-Year Elective Courses

All elective courses are designed to accommodate the semester format of the University and are graded S/U.

ANAT 208 – Anatomical Dissection (E)

This course will involve lab-oriented clinical anatomy dissection of a cadaver. Students will work in teams and present the clinical anatomy of the specific area. Specific areas of clinical anatomy may include abdomen, thorax, hand and forearm, head and neck and lower limbs, depending on the cadaver. Graded S/U.

2 semester credits

ANAT 209 – Foundations in Teaching Anatomy (E)

This course provides selected second-year students with experience in teaching anatomy in the laboratory setting. Participants assist first-year students in their laboratory experiences and provide individual instruction under the supervision of faculty and staff. This course is a year-long experience with a fall and spring registration of 1 semester credit each. The course is graded S/U based on attendance, interaction with first-year students and overall attitude.

1 semester credit

ANAT 210 – Advanced Suture Skills (E)

This course is designed for students interested in developing better skills in suturing. Students will work in supervised small groups to develop and perfect their skills. Graded S/U.

0.5 semester credit

FMED 104 – Sports Medicine (E)

This course is designed to educate medical students in the care and management of athletic teams as a part of their future practices. At the conclusion of this course, students will recognize the role of the team physician, understand common equipment utilized by the physician to care for the athlete, recognize common medical emergencies in athletics, perform on-field evaluation and sideline management of common athletic injuries, and gain appreciation for the broad spectrum of care to athletes of varying backgrounds and abilities. Graded S/U.

0.5 semester credit

FMED 210 – Sports Medicine II (E)

This course is designed to provide students with an introduction to sports medicine concepts and practices. This course will provide formal lectures, hands-on workshop training and fieldwork. Graded S/U.

0.5 semester credits

FMED 211 – Medical Pathways (E)

The objective of this course is to provide students with the basics of the medical record and the approach to recording medical information. Graded S/U.

1 semester credit

FMED 212 – Complementary and Alternative Medicine (E)

This course encompasses the prominent types of complementary and alternative medicine modalities likely to be encountered by physicians in practice. The course is taught via didactic lectures and demonstrations with audience participation. Graded S/U.

0.5 semester credits

FMED 213 – Advanced OMM Techniques (E)

This course offers students an opportunity to further develop skills in manipulative medicine by participating in lecture/lab experiences covering expanded usage of previously taught modalities as well as new modalities. The case presentation context will be used to further clinical application of OMM. Graded S/U.

0.5 semester credits

IDIS 110 – Ethics for Physicians (E)

This course provided an opportunity to explore the ethical dimensions of medicine at an advanced level, focusing on professional ethics for physicians as well as clinical bioethics topics, such as informed consent and end-of-life care. Students pursuing the dual D.O./M.A. bioethics degree may use this course to fulfill an elective requirement in the D.O. program or toward a curriculum requirement in the M.A. program, but not both.

1 semester credit

IDIS 201 – Spirituality in Medicine (E)

This course exemplifies the Osteopathic integration of “Body, Mind and Spirit.” Students will be exposed to a variety of religious beliefs, often by practitioners of those faiths. Treatment considerations of the hospitalized patient and the dying patient will be discussed in small groups and with selected chaplains from the area. Students will also have an opportunity to explore their own belief system. For the interested students, optional activities, such as a sweat lodge, meditation, a retreat and following a chaplain on rounds may be available. Graded S/U.

1 semester credit

IDIS 202 – Spanish for Medical Professionals I (E)

This course is designed for those with little to no previous experience with the Spanish language and for those who wish to improve their medical Spanish skills. It is based on the concept of using simple conversations to facilitate a health care interaction and using repetition to learn a new language. Previous knowledge in Spanish is helpful, but not essential. Graded S/U.

1 semester credit

IDIS 203 – Health-Care Management and Public Health Policy (E)

This course provides an introduction to health-care management and public health policies in the health-care field including areas of managed care, quality care issues, cost considerations, and management and leadership practices. Students are introduced to the management languages of accounting, economics, finance, human resources, information technology, law, marketing and management. Graded S/U.

0.5 semester credits

IDIS 204 – Biomolecular Aspects of Clinical Medicine Journal Club (E)

This course consists of nine sessions for students who are interested in discussing recent journal articles linking clinical cases with relevant and interesting biomolecular science research studies. Graded S/U.

1 semester credit

IDIS 205 – Introduction to Judgment and Decision Making (E)

This course provides an introduction to the science of judgment and decision making incorporating current research in cognitive neuroscience and psychology, evolutionary biology and behavioral psychology. The course provides an overview of the neurological processes involved in forming judgments and decisions, factors that can enhance or impede the quality of judgments and decisions, and techniques for improving judgment and decision making. Graded S/U.

1 semester credit

IDIS 207 – Understanding Managed Care (E)

This course introduces students to a variety of challenges faced by health-care providers in a managed-care environment. Topics include fundamentals of managed-care structure, capitation rate development, utilization management, cost and resources allocation and measurement of health outcomes. The course has directed studies, case analysis and projects. Graded S/U.

0.5 semester credits

IDIS 209 – Spanish for Medical Professionals II (E)

This is an advanced course for students who have completed IDIS 202 or who have equivalent training and experience with medical Spanish. Graded S/U.

1.0 semester credits

IDIS 211 – Medical Classics (E)

This course will provide modern diagnostic insights to Morgagni's original autopsy descriptions. Participants present a book report, complete reading assignments, and engage in high level discussions, evaluating what the classic authors described in terms of today's scientific knowledge. Graded S/U.

1 semester credit

IDIS 212 – International Medicine (E)

This broad-based course is designed to provide a review and understanding of common types of medical and community health issues likely to be encountered in developing countries around the globe. It will provide a base of knowledge to assist future physicians in caring for patients in developing nations and underserved areas. Graded S/U.

0.5 semester credit

IDIS 213 – Medicine, Literature and Law (E)

This course provides the basic doctrines and principles of the law to serve as a foundation for legally sound medical practice. The contents include a comprehensive coverage of the dynamics of the law, its application to the health-care professional issues, and recent developments related to health-care delivery. Literature related to all aspects of life with special reference to health and health-care is included throughout the course. Literary narrative writings are discussed to demonstrate the relation to the practice of medicine. Graded S/U.

1 semester credit

IDIS 214 – Spanish for Medical Professionals III (E)

This course is for students who have a good grasp of Spanish including both conversational dialog and medical Spanish. Students will work in a Spanish-speaking community site with a preceptor for this course. Graded S/U.

1 semester credit

IDIS 215 – Igniting the Spirit (E)

This course is strongly connected and aligned with the University's values-based mission and the belief that compassion is first received and then given. During this experience an interface to health care and spiritual issues within the distinct culture of the Benedictine Monastery Communities is explored. It also provides an interface to spiritual issues and health care including end-of-life care within the distinct culture. Graded S/U.

1.5 semester credit

IDIS 216 – Healer's Art: Awakening the Heart of Medicine (E)

The Healer's Art, a nationally recognized program, addresses a hidden crisis in medicine: the growing loss of meaning and commitment experienced by physicians nationwide under the stresses of today's health-care system. The course's innovative educational strategy is based on a discovery model, and draws on tested approaches and theories from such fields as humanistic psychology, formational theory and cognitive psychology. Graded S/U.

1 semester credit

IDIS 217 – Family and Child Health (E)

The course is based on a public health approach to assuring the health of families, rather than a medical approach. Prevention is emphasized, and the focus is on an evidence-based approach whenever possible. Issues related to the role of the government in providing services for those who are socioeconomically challenged will be a prominent theme throughout. The importance of public health policy will be obvious. Social justice is a common thread throughout. Graded S/U.

2 semester credits

IDIS 218 – Managed and Consumer Driven Health Care (E)

A physician not only has responsibility for the health of patients, but he/she is also the steward of society's health-care dollar and limited resources. Managed health care integrates health insurance functions with delivery of medical care. This course introduces students to a variety of the challenges faced by health-care providers in a managed-care environment. Topics include fundamentals of managed-care structure, capitation rate development, utilization management, cost and resource allocation, and measurement of health outcomes. Graded S/U.

2 semester credits

IDIS 219 – Contemporary Issues in Politics of Health Care (E)

Students will explore political issues affecting health-care services through identifying policy goals, public policy analysis and external environments. Students will explore current legislative issues such as provider reimbursement, Medicare reform, prescription benefits and malpractice reform. This is examined through the use of managerial epidemiology, political and economic analysis and public health initiatives. Graded S/U.

2 semester credits

IDIS 220 – Medical Education Research (E)

The focus of the course will be to provide students with a basic understanding of research methodology within the framework of medical education research. Topics covered include: the nature of scientific inquiry; identification and formulation of a research question; formation of research and statistical hypotheses, research design strategies, techniques used for gathering quantitative and qualitative data; analysis and presentation of research; and research ethics. Graded S/U.

2 semester credits

IDIS 221 – Leadership in Health Promotion (E)

The purpose of this elective is for students to define a group within the University community who could improve their state of health and then to design and implement a program that will impact this group. The student will demonstrate skills in leadership, organization and self direction. May be repeated for credit up to three times for a maximum of 1.5 semester credit. Graded S/U.

0.5 semester credits

IDIS 222 – Professional Portfolio (E)

The purpose of this course is to develop a profession portfolio that is a type of performance assessment containing a defined set of materials documenting prescribed student-learning outcomes. The documentation provides a qualitative look at indirect and direct evidence of student knowledge, skills and attitudes required by the curricula. Graded S/U.

2 semester credits

IDIS 223 – Cultural Competence (E)

This course examines our own culture – the Iatroculture – and preconceived notions about cultures, races and other groups. The content will identify features that make cultures unique while exploring the commonalities among cultures. The course will teach students new skills to appreciate all cultures. Graded S/U.

1 semester credit

IDIS 224 – American Sign Language for Professionals (E)

This is an introductory course to familiarize the medical student with a foundational working knowledge of American Sign Language with a strong emphasis on the medical sign language skill acquisition. Students will learn and use the manual alphabet and basic sign language to communicate with other students in lecture and interactive small group settings. Graded S/U.

1 semester credit

IDIS 226 – Medical Humanities – Body Images in Medicine and the Arts (E)

This course focuses on the human body. Photography, art, literature, anthropology, art history, cultural studies, modernism, commercialism, feminism and medicine are all explored as ways to encourage students to consider broader cultural interpretations of the human body. Graded S/U. (Formerly IDIS 208)

1 semester credit

IDIS 228 – Foundation of Physical Activity Behavior (E)

This course utilizes study designs, risk calculation, measures of association and subject selection to study physical activity behavior. This foundation of physical activity research methodology will be used to examine relevant scientific information concerning the association between physical activity and chronic diseases. Graded S/U.

1 semester credit

IDIS 229 – Human Patient Simulator Concepts (E)

This course is designed to enhance student patient interview and physical examination skills through the use of human patient simulators and the application of didactic material in the creation of a case scenario. Graded S/U.

1 semester credit

IDIS 230 - Promoting Professionalism (E)

This course will examine contemporary standards for professionalism in medical education. Students will review contemporary literature covering the concepts surrounding professionalism and will engage in research and the examination of professionalism programs at other academic institutions. Graded S/U.

1 semester credit

IDIS 232 – Pathways to Care (E)

This course is designed to enhance student awareness regarding the underserved and homeless population. Through a unique collaboration between KCUMB and Sheffield Place of Kansas City, students will be matched with Sheffield Place families to provide regular family coaching/mentoring and to provide health-care education to mothers and children designed to enhance their quality of life. Graded S/U.

1 semester credit

OPP 209 – Foundations in Teaching OPP (E)

This course provides selected second-year students with experience in teaching Principles of Osteopathy in the laboratory setting. Participants assist first-year students in their weekly laboratory experience and provide individual instruction and demonstration of osteopathic techniques under the supervision of faculty and staff. The course is graded S/U based on attendance, interaction with first-year students and overall attitude. May be repeated for credit up to a maximum of 2 credits.

1 semester credit

PEDS 202 – Introduction to Newborn Care (E)

This course provides an introduction to newborn infants in a clinical setting. Students meet with the physician to discuss complicated newborn care, resuscitation, routine care and orders, and palliative care for neonates and parents.

1 semester credit

PHYS 201 – Exercise Medicine (E)

This course represents an advanced level of investigation of the influences of exercise on the human body and their clinical relevance. Emphasis will be placed on the premise that inactivity is abnormal behavior with routine exercise being the normal human condition. Techniques and justification for decreasing inactivity will be discussed for multiple population groups and conditions. Graded S/U.

1 semester credit

PHYS 212 – Fundamentals of Health Promotion I

The purpose of this course is to promote a personal and professional attitude that will improve the health of the participant and influence treatment of their future patients. Three areas will be emphasized including nutrition, exercise and stress management. A

series of lectures, assignments and directed studies are associated with the course. May be repeated for credit for a maximum of 1 credit. Graded S/U.

0.5 semester credit

PMED 104 – Introduction to PASW (SPSS) and Biomedical Statistics (E)

Prerequisite: Acceptance into the KCUMB Student Summer Research Fellowship or permission of instructor.

This course is intended to provide advanced exposure and instruction on biomedical statistics and research methodology along with hands-on experience in data management and statistical analysis using PASW (SPSS) Windows-based statistical software. Students learn to enter, import, define, manipulate, transform, recode, combine and calculate variables, as well as assess normality of data, generate descriptive and inferential statistical analyses and associated output, export output, and are provided exposure to test interpretation. Graded S/U.

1 semester credit

PMED 203 – Biomedical Sciences Research (E)

This elective is intended to provide a framework within which MSI and MSII students may engage in biomedical science research projects or a variety of activities related to such research at KCUMB or other approved institution(s) and receive academic credits. Students are expected to participate in an ongoing research project or conduct their own study under approved mentorship. Graded S/U.

2 semester credits

PMED 204 – Data Management Using SPSS II (E)

This course is intended to build on the analytical skills acquired in PMED 104. Graded S/U.

1 semester credit

Fellowship Opportunities

ANAT 399 – KCUMB Anatomy Fellowship (E)

The Department of Anatomy selects three post-second- or post-third-year medical students for 11-month fellowships. The fellowships usually run from the last week of July to the end of June. Fellows are selected by the anatomy faculty and are supervised by Robert E. Stephens, Ph.D., professor and chair of anatomy. Selection criteria are: overall performance in human anatomy; academic standing; participation as an anatomy teaching assistant or have been active as an anatomy tutor; interest in research and teaching; and letters of recommendation.

Applicants must submit curriculum vitae, a brief statement expressing his/her reason for participating in the fellowship and possible research interests, and two letters of support from KCUMB students and/or faculty members, who have worked with him/her

on an anatomy dissection team or were tutored by the applicant. The successful candidate must have effective communication, dissection and teaching skills in human anatomy and the desire to work on a proactive, progressive medical educational team.

Fellowship responsibilities include teaching in all gross anatomy and neuroanatomy labs; preparing second-year teaching assistants to teach in gross anatomy labs; management of the operations for the Conte Anatomy Lab, and other duties as assigned by the Chair. Fellows may be invited to present a basic science lecture or lab orientation in the COM and/or COB. Fellows are also expected to complete a research project in collaboration with an anatomy faculty mentor and submit it for professional publication and/or presentation.

Each anatomy fellow will receive a stipend for the year and a one-year tuition waiver for COM for the year following the fellowship year at KCUMB. During the fellowship year, the student will continue to be recognized as a student at KCUMB. Graded S/U. Deadline for applications is usually the end of March. For more information, contact Robert E. Stephens, Ph.D., professor and chair of anatomy.

OPP 399 – KCUMB Fellowship in OP&P (E)

This elective experience is open only to students wishing to spend an additional year of undergraduate study, teaching and research with the Family Medicine Department. Students wishing to explore this opportunity must apply during the last semester of the second year and be selected by the Family Medicine Department for the program. Once selected, OP&P Fellows may complete their third year clerkships before or after participating in the fellowship. The fellowship year is designed to give the student further experience with osteopathic principles and practice, teaching techniques and insights into research. Once completed, the students start/continue their clerkships. OP&P Fellows receive a monetary stipend and tuition for their fellowship year and one additional year. Graded S/U. For more information, contact Joshua Cox, D.O., KCUMB OMM Coordinator.

10-20 semester credits

Third- and Fourth-Year Clinical Clerkships

The third and fourth years utilize clinical clerkships to reinforce and expand on the training of the first two years of medical school. Each student must complete a minimum of 19 blocks of clinical clerkships. All clerkships are identified in terms of “blocks,” which are either four-weeks or one month in duration.

Third-year consists of 10 required clinical clerkships that include: Family Medicine (two blocks), Internal Medicine (two blocks), Pediatrics (one block), Surgery (two blocks), Obstetrics/Gynecology (one block), Psychiatry (one block) and one clerkship elective (one block). Curricular modules with learning objectives and reading assignments are provided for all required clerkships to enhance student learning.

Fourth-year consists of three required clerkships, four electives and two sub-internships: Cardiology (one block), Emergency Medicine (one block),

Rural/Underserved Primary Care (one block), electives (four blocks) and Sub-internships (two blocks).

Required third- and fourth-year clinical clerkships are completed at designated training sites. Assignment to sites is determined by a match process conducted during the second year.

All full-block clinical clerkships are awarded five semester credits. Third-year discipline-specific (required) clerkships are awarded standard grades and all remaining clerkships (electives and sub-internships) are graded satisfactory/unsatisfactory (S/U).

***Special Note:** A new grading policy will take place for all required clerkships (excludes electives and sub-internships) beginning in the fall of 2010. This will be initiated when the Class of 2012 begins clerkships. Traditional letter grades will be replaced with Unsatisfactory (U), Satisfactory (S), High Satisfactory (HS) and Honors (H). A student will have to repeat any clerkship in which an unsatisfactory grade is earned.*

Enrollment Status of Third- and Fourth-Year Students

Students enrolled in clerkships are considered full time. This full-time status is based on a schedule, approved by the Office of Community Clinical Education, allowing the student to complete the sequence of graduation requirements with his/her class.

Clinical Clerkship Terms and Definitions

Required Clerkships: The 12 clinical clerkships required of all students that are designed to provide students with exposure, observation and training to further their understanding of patient care in a variety of clinical, office and hospital settings. Serving as the foundation for clinical training, all required clerkships are enhanced by specific goals, learning objectives and reading assignments. Third-year required clerkships are awarded traditional grades while all other clerkships are graded S/U. However, a new grading policy will take place beginning in the fall of 2010. This will be initiated when the Class of 2012 begins clerkships. At that time, required clerkships will be graded as Unsatisfactory (U), Satisfactory (S), High Satisfactory (HS) and Honors (H).

Electives: Clerkships selected by the student to obtain clinical exposure, observation and training within an area of interest. Elective clerkships are enhanced by specific goals and learning objectives. All electives are graded S/U.

Sub-internships: Fourth-year clerkships are selected by the student to obtain additional clinical exposure, observation and training within areas of interest. Students serve as the primary care provider under direct supervision of the attending physician or faculty and may perform simple diagnostic procedures. Focus is placed on self-education and more advanced study of the selected discipline area. Sub-internships are enhanced by specific goals and learning objectives and are graded S/U.

Third-Year Curriculum

Clerkship offerings for the third year are:

FMED 301	Family Medicine I
FMED 302	Family Medicine II
IMED 301	Internal Medicine I
IMED 302	Internal Medicine II
OBGY 301	Obstetrics/Gynecology
PEDS 301	Pediatrics
PSYC 301	Psychiatry
SURG 301	General Surgery I
SURG 302	General Surgery II
Elective	(one block)

Fourth-Year Curriculum

Standard Option I

EMED 401	Emergency Medicine
IMED 401	Cardiology
FMED 401	Rural/Underserved Primary Care Clinic
Sub-internships (two blocks)	
Electives	(four blocks)

Alternate Option II

EMED 401	Emergency Medicine
IMED 401	Cardiology
FMED 401	Rural/Underserved Primary Care Clinic
FMED 402	Rural/Underserved Primary Care Clinic II (E)
FMED 403	Rural/Underserved Primary Care Clinic III (E)
Electives	(four blocks)

Third- and Fourth-Year Clerkship Registration

The Office of the Registrar will register all third-year medical students for a placeholder clerkship block called ROTA 3A (fall – 20 credits) ROTA 3B (spring – 25 credits) and ROTA 3C (summer – 5 credits), in this sequence. These placeholder codes will later be detailed to the specific course ID on the student’s transcript when the Office of Community Clinical Education submits the final grade rosters.

Similarly, fourth-year medical students will be registered for a placeholder clerkship block called ROTA 4C (summer – 5 credits), ROTA 4A (fall – 25 credits) and ROTA 4B (spring – 20 credits), in this exact sequence. These placeholders will follow the same transcript procedures as identified for third-year experiences.

Required Clinical Clerkship Descriptions

FMED 301/302 – Family Medicine I & II

These third-year required clerkships are designed to provide the student with clinical exposure, observation and training to further their understanding of family medicine. Students focus on ambulatory management of common acute and chronic medical problems within a primary care setting to prepare for more advanced study of the discipline. Specific goals, learning objectives and reading assignments are outlined in the required curriculum modules. Awarded traditional grades.

5 semester credits each

IMED 301/302 – Internal Medicine I & II

These third-year required clerkships are designed to provide the student with clinical exposure, observation and training to further their understanding of general internal medicine. Students focus on active participation in the care and management of ward and clinical patients to prepare for more advanced study of the discipline. Specific goals, learning objectives and reading assignments are outlined in the required curriculum modules. Awarded traditional grades.

5 semester credits each

OBYG 301 – Obstetrics/Gynecology

This third-year required clerkship is designed to provide the student with clinical exposure, observation and training to further their understanding of obstetrics and gynecology. Students focus on the diagnosis, treatment and management of common ob/gyn conditions to prepare for more advanced study of the discipline. Specific goals, learning objectives and reading assignments are outlined in the required curriculum modules. Awarded traditional grades.

5 semester credits

PEDS 301 – Pediatrics

This third-year required clerkship is designed to provide the student with clinical exposure, observation and training to further their understanding of pediatrics. Students focus on inpatient and outpatient medical management of infants and children to prepare for more advanced study of the discipline. Specific goals, learning objectives and reading assignments are outlined in the required curriculum modules. Awarded traditional grades.

5 semester credits

PSYC 301 – Psychiatry

This third-year required clerkship is designed to provide the student with clinical exposure, observation and training to further their understanding of psychiatry. Students

focus on assisting with the treatment and medical management of patients with psychiatric disorders to better understand mental health and illness to prepare for more advanced study of the discipline. Specific goals, learning objectives and reading assignments are outlined in the required curriculum modules. Awarded traditional grades.

5 semester credits

SURG 301/302 – General Surgery I & II

These third-year required clerkships are designed to provide the student with clinical exposure, observation and training to further their understanding of general surgery. Students focus on active participation in the care of surgical patients on the wards, in the operating room and in the clinic to prepare for more advanced study of the discipline. Specific goals, learning objectives and reading assignments are outlined in the required curriculum modules. Awarded traditional grades.

5 semester credits

EMED 401 – Emergency Medicine

This fourth-year required clerkship is designed to provide the student with clinical exposure, observation and training to further their understanding of emergency medicine. Students focus on the care, treatment and diagnosis of a variety of acute and sub-acute problems in the adult emergency medicine patient. Learning highlights how to stabilize and correctly triage critically ill patients to prepare for more advanced study of the discipline. Specific goals, learning objectives and reading assignments are outlined in the required curriculum modules. Hourly requirements for this clerkship are outlined in the *Clinical Clerkship Manual*. Graded S/U.

5 semester credits

FMED 401 – Rural/Underserved Primary Care Clinic I

This fourth-year required clerkship is designed to provide the student with clinical exposure, observation and training to further their understanding of rural or underserved primary care. Students focus on continuity of patient care and ambulatory management of common acute to chronic medical problems within a rural or underserved primary care setting to prepare for more advanced study of the discipline. Specific goals, learning objectives and reading assignments are outlined in the required curriculum modules. Graded S/U.

5 semester credits

FMED 402/403 – Rural/Underserved Primary Care Clinic II & III (*option II*)

Required clerkships for those students pursuing fourth-year curriculum option II; otherwise considered as elective clerkships. These fourth-year clerkships are designed to provide the student with additional clinical exposure, observation and training of rural or underserved primary care. Students focus on continuity of patient care and ambulatory management of common acute to chronic medical problems within a rural or

underserved primary care setting and build on what they learned in FMED 401. Specific goals, learning objectives and reading assignments are outlined in the *Clinical Clerkship Manual*. Graded S/U.

5 semester credits each

IMED 401 – Cardiology

This fourth-year required clerkship is designed to provide the student with clinical exposure, observation and training to further their understanding of cardiology. Students focus on the basic care, treatment and diagnosis of common cardiovascular illnesses in the adult patient to prepare for more advanced study of the discipline. Training emphasizes physician awareness, assessment, treatment, and acknowledgement of common cardiovascular conditions. Specific goals, learning objectives and reading assignments are outlined in the required curriculum modules. Graded S/U.

5 semester credits

Elective and Sub-Internship Clerkship Descriptions

Mission: The mission of the Electives Program is to prepare students for entry into clinical practice through elected experiences that complement and extend the training gained in required core clerkships. These elected experiences will facilitate broad-based reflection on career goals and choice while also enhancing skills in patient assessment, evaluation and treatment.

Goals: Electives provided by KCUMB and affiliated partner institutions will:

1. Prepare students to confidently and competently assess patients with undifferentiated disease; identify medical problems; and diagnose, treat and communicate findings to the patient;
2. Assist students in selecting a career focus and identify programs which match career goals;
3. Facilitate student understanding of the role of the physician in patient care and community health; and
4. Prepare students for entry into clinical training programs.

The following list of elective and sub-internship clerkships are designed to provide students with clinical exposure, observation and training to further their understanding within a selected area of interest as specified in the course title. These experiences take place in a wide variety of clinical, office and hospital settings presenting unique opportunities with regard to the spectrum of clinical situations encountered. Learning is enhanced with specific goals and learning objectives.

Sub-internships are restricted to fourth-year students and are designed to provide the student with an increased level of patient care responsibility. Students serve as the primary care provider under the direct supervision of the attending physician or faculty

and may perform simple diagnostic procedures. Training focuses on self-education and includes more advanced study of the discipline. Sub-internships must be completed as full block experiences. These clerkships are all awarded five semester credits and graded S/U.

Electives are generally completed as full-block experiences and are awarded five semester credits. Students may obtain special permission to participate in up to two, two-week electives and be awarded 2.5 semester credits for each experience.

<u>Course ID</u>	<u>Title</u>
ANAT 401/401S	General Anatomy (E) or (Sub-I)
ANES 402/402S	Anesthesiology (E) or (Sub-I)
ANES 411/411S	Pain Management (E) or (Sub-I)
EMED 402/402S	Emergency Medicine (E) or (Sub-I)
EMED 404/404S	Wilderness Medicine (E) or (Sub-I)
FMED 402	Rural/Underserved Primary Care II (E)
FMED 403	Rural/Underserved Primary Care III (E)
FMED 404/404S	Gerontology (E) or (Sub-I)
FMED 405/405S	Sports Medicine (E) or (Sub-I)
FMED 406/406S	General Family Medicine (E) or (Sub-I)
FMED 408	Community Medicine (E)
FMED 409/409S	Primary Care (E) or (Sub-I)
FMED 410/410S	Physical Medicine & Rehab (E) or (Sub-I)
IDIS 400*	Clinical Independent Study (E)
IDIS 401	Bioethics (E)
IDIS 402	Hlth Care Mgmt & Publ Hlth Policies (E)
IDIS 403	Medical Informatics (E)
IMED 402/402S	Pulmonary Medicine (E) or (Sub-I)
IMED 403/403S	Gastroenterology (E) or (Sub-I)
IMED 404/404S	Infectious Diseases (E) or (Sub-I)
IMED 405/405S	General Internal Med (E) or (Sub-I)
IMED 406/406S	Cardiology (E) or (Sub-I)
IMED 409/409S	Rheumatology (E) or (Sub-I)
IMED 410/410S	Neurology (E) or (Sub-I)
IMED 412/412S	Hematology/Oncology (E) or (Sub-I)
IMED 413/413S	Endocrinology/Metabolism (E) or (Sub-I)
IMED 414/414S	Medical Genetics (E) or (Sub-I)
IMED 415/415S	Dermatology (E) or (Sub-I)
IMED 416/416S	Nephrology (E) or (Sub-I)
IMED 417/417S	Allergy/Immunology (E) or (Sub-I)
IMED 418/418S	Gerontology (E) or (Sub-I)
IMED 419/419S	Addiction Medicine (E) or (Sub-I)
IMED 420/420S	Critical Care Medicine (E) or (Sub-I)
IMED 421/421S	Hospice/Palliative Care (E) or (Sub-I)

OBGY 401/401S	Maternal Fetal Medicine (E) or (Sub-I)
OBGY 402/402S	Medical Genetics (E) or (Sub-I)
OBGY 403/403S	General Gynecology (E) or (Sub-I)
OBGY 404/404S	Gynecologic Oncology (E) or (Sub-I)
OBGY 405/405S	General Obstetrics (E) or (Sub-I)
OBGY 406/406S	General Obstetrics/Gyn (E) or (Sub-I)
OBGY 407/407S	Reproductive Endocrin (E) or (Sub-I)
OPP 401/401S	Osteopathic Manipulation (E) or (Sub-I)
PATH 401/401S	General Pathology (E) or (Sub-I)
PATH 402/402S	Clinical Pathology (E) or (Sub-I)
PATH 403/403S	Anatomic Pathology (E) or (Sub-I)
PATH 404/404S	Blood Banking (E) or (Sub-I)
PATH 405/405S	Forensic Pathology (E) or (Sub-I)
PATH 406/406S	Hematopathology (E) or (Sub-I)
PATH 407/407S	Toxicology (E) or (Sub-I)
PEDS 401/401S	Neonatology (E) or (Sub-I)
PEDS 402/402S	Pediatric Infect Disease (E) or (Sub-I)
PEDS 403/403S	Ped Hematology/Oncol (E) or (Sub-I)
PEDS 404/404S	Pediatric Pulmonary Med (E) or (Sub-I)
PEDS 405/405S	Ped Gastroenterology (E) or (Sub-I)
PEDS 406/406S	Pediatric Neurology (E) or (Sub-I)
PEDS 407/407S	Pediatric Rheumatology (E) or (Sub-I)
PEDS 408/408S	Pediatric Genetics (E) or (Sub-I)
PEDS 409/409S	Ped Critical Care Med (E) or (Sub-I)
PEDS 410/410S	Adolescent Medicine (E) or (Sub-I)
PEDS 411/411S	General Pediatrics (E) or (Sub-I)
PEDS 412/412S	Pediatric Cardiology (E) or (Sub-I)
PEDS 413/413S	Pediatric Dermatology (E) or (Sub-I)
PEDS 414/414S	Pediatric Nephrology (E) or (Sub-I)
PEDS 415/415S	Developmental Pediatrics (E) or (Sub-I)
PEDS 416/416S	Ped Endocrin/Metabolism (E) or (Sub-I)
PEDS 417/417S	Ped Allergy/Immunology (E) or (Sub-I)
PEDS 418/418S	Pediatric Emergency Med (E) or (Sub-I)
PEDS 419/419S	Community Pediatrics (E) or (Sub-I)
PHAR 401	General Pharmacology (E)
PHYS 401	General Physiology (E)
PMED 401/401S	General Preventive Med (E) or (Sub-I)
PMED 402/402S	Occupational Medicine (E) or (Sub-I)
PMED 403/403S	Public Health (E) or (Sub-I)
PMED 404/404S	Environmental Health (E) or (Sub-I)
PMED 405/405S	Aerospace Medicine (E) or (Sub-I)
PSYC 401/401S	General Psychiatry (E) or (Sub-I)
PSYC 402/402S	Pediatric Psychiatry (E) or (Sub-I)

RADI 401/401s	General Radiology (E) or (Sub-I)
RADI 402/402s	Pediatric Radiology (E) or (Sub-I)
RADI 403/403s	Nuclear Medicine (E) or (Sub-I)
RADI 404/404s	Interventional Radiology (E) or (Sub-I)
RADI 405/405s	Body Imaging (E) or (Sub-I)
RADI 406/406s	Radiation Oncology (E) or (Sub-I)
SURG 401/401s	General Surgery (E) or (Sub-I)
SURG 402/402s	Cardiovascular Surgery (E) or (Sub-I)
SURG 403/403s	Otolaryngology/ENT (E) or (Sub-I)
SURG 404/404s	Ophthalmology (E) or (Sub-I)
SURG 405/405s	Thoracic Surgery (E) or (Sub-I)
SURG 406/406s	Urology (E) or (Sub-I)
SURG 407/407s	Neurosurgery (E) or (Sub-I)
SURG 408/408s	Transplant Medicine (E) or (Sub-I)
SURG 409/409s	Plastic Surgery (E) or (Sub-I)
SURG 410/410s	Orthopedic Surgery (E) or (Sub-I)
SURG 411/411s	Proctology (E) or (Sub-I)
SURG 412/412s	Trauma Surgery (E) or (Sub-I)
SURG 413/413s	Pediatric Surgery (E) or (Sub-I)

*** IDIS 400 – Clinical Clerkship Independent Study (E)**

This clerkship is designed to provide students with an opportunity for independent study in areas of medical education, clinical practice, research, investigational inquiry or study preparation. Approval of the investigational study project by the Associate Vice President of Curriculum Affairs or the Executive Vice President for Academic and Medical Affairs, and Dean of the College of Osteopathic Medicine is required for registration. Graded S/U.

5 semester credits

Research Clerkships

These elective clerkship experiences are designed to provide the student with a basic understanding of the selected area of interest. Students focus on the development and execution of a guided research project or participate with an existing study. Emphasis is placed on the integration of research into medical practice to prepare for more advanced study in the discipline. These clerkships take place in a wide variety of clinical, hospital or laboratory settings. Specific goals and learning objectives are determined by the supervising physician and a formalized plan must be submitted to the Office of Community Clinical Education in advance for consideration and approval. All elective research clerkships are awarded five semester credits and graded S/U.

ANAT 499	Anatomy Research (E)
ANES 499	Anesthesiology Research (E)
BCHE 499	Biochemistry Research (E)

EMED 499	Emergency Medicine Research (E)
FMED 499	Family Medicine Research (E)
IMED 499	Internal Medicine Research (E)
MBIO 499	Microbiology Research (E)
OBGY 499	OB/GYN Research (E)
OPP 499	OPP Research (E)
PATH 499	Pathology Research (E)
PEDS 499	Pediatric Research (E)
PHAR 499	Pharmacology Research (E)
PHYS 499	Physiology Research (E)
PMED 499	Research in Preventive Med/Public Hlth (E)
PSYC 499	Psychiatry Research (E)
RADI 499	Radiology Research (E)
SURG 499	Surgery Research (E)

COLLEGE OF BIOSCIENCES

Introduction

With an expanded mission that includes greater emphasis on research and discovery, KCUMB established the College of Biosciences in 2004. The College of Biosciences granted its first diplomas to graduates of the master of science in biomedical sciences program in 2006 and the master of arts in bioethics in 2009.

Master of Science in Biomedical Sciences

The College of Biosciences offers a master of science in biomedical sciences. Students interested in pursuing the accredited master of science in biomedical sciences can enroll in either the 12-month or the research track program (about 2 years).

The 12-month track includes coursework in biochemistry, cell biology, genetics, epidemiology, physiology, molecular biology, neurosciences and anatomy, and places emphasis on the acquisition of knowledge regarding state-of-the-art research methodologies and protocols, regardless of the field one chooses to enter. The research track is designed for individuals interested in pursuing careers as research scientists in major laboratories.

Master of Arts in Bioethics

KCUMB's College of Biosciences offers students the opportunity to earn a master of arts in bioethics, which explores ethical questions raised in the life sciences, medicine, biotechnology, health and public policy, as well as the implication of these issues for our understanding of what it means to be a human person.

The program prepares students to deal with critical ethical issues, such as stem cell research, genetic engineering, end-of-life care, health-care equity and public policy, the globalization of medicine, and the relationship between environmental quality and human health.

Students must complete 30 semester hours of course work, culminating with a three-hour final project. Traditionally, this requirement is fulfilled through a 25-50 page thesis that could be published in a peer-reviewed bioethics journal. However, the program does include the flexibility for non-traditional approaches, such as a video-based project or the creation of a bioethics educational curriculum for in-serve training of healthcare workers.

The program is designed to accommodate students with diverse backgrounds and interests. Although the requirements are the same for all students, there are three distinct tracks for completing the degree:

- I. **Dual-Degree Track** – This track is designed for KCUMB students studying osteopathic medicine who decide to also pursue a concurrent master's degree in bioethics. These students begin the bioethics program in the summer following successful completion of their first year in COM. They

complete half of the bioethics degree requirements before their third year clerkships. The second half of the degree requirements are completed during their third- and fourth-year clerkships. Since dual-degree bioethics students are not required to remain in Kansas City for their clerkships, some of their coursework is online.

2. **One-Year Track (full-time)** – This track allows full-time students to complete the master of arts in bioethics over a 12-month period. As with the master of science in biomedical sciences degree, some of these students are eligible for a seat in the next D.O. class, provided that they successfully complete the bioethics program.
3. **Career-Enhancement Track (part-time)** – This track is designed for health-care professionals (e.g., physicians, nurses, social workers, attorneys, chaplains, medical technicians, etc.) who have developed an interest in bioethics professionally and would like to pursue master’s-level training in bioethics. These students may pursue the master’s degree on a part-time basis.

COLLEGE OF BIOSCIENCES

ACADEMIC CALENDARS

2009-2010

Master of Science in Biomedical Sciences Program

Fall Semester (Aug. 13-Dec. 11, 2009)

Aug. 13	Orientation and Registration
Aug. 17	Classes Begin
Sept. 7	Labor Day – University Closed
Nov. 26-29	Thanksgiving Break – Classes Suspended
Dec. 7-11	Final Exam Week
Dec. 14	Winter Break begins

Spring Semester (Jan. 11-May 14, 2010)

Jan. 11	Classes Begin
Jan. 18	Martin Luther King Day – University Closed
Feb. 22-26	Spring Break
Mar. 19	Research Day
May 10-14	Final Exam Week

Summer Semester (June 1-July 23, 2010)

June 1	Classes Begin
July 5	Independence Day – University Closed
July 6	Exam 1
July 20	Final Exams
July 27	Commencement

Master of Arts in Bioethics Program

Summer Semester (May 18-July 31, 2009)

May 18	2012 Dual Degree Program Summer Term Begins
May 25	Memorial Day – University Closed
July 3	Independence Day – University Closed
July 7	2010 One-Year Bioethics Program Orientation and Registration
July 22	COB Commencement

Fall Semester (Aug. 31-Dec. 16, 2009)

Aug. 3	Classes Begin
Sept. 7	Labor Day – University Closed
Nov. 26-29	Thanksgiving Break – Classes Suspended
Dec. 10-16	Final Exams
Dec. 17	Winter Break Begins

Spring Semester (Jan.4-April 30, 2010)

Jan. 4	Classes Begin
Jan. 18	Martin Luther King Day – University Closed
Feb. 22-26	Spring Break
Mar. 19	Research Day
April 26-30	Final Exam Week Begins

Summer Semester (July 7-July 28, 2010)

July 7	Classes Begin
July 28	Final Exam Week Begins

COB ADMISSIONS

General Introduction

The admissions office prides itself in delivering professional service to all applicants. The office is mindful that a lack of knowledge about the way the application process works can be stressful. Consequently, applicants to the master of science in biomedical sciences or master of art in bioethics programs are encouraged to visit the KCUMB Web site (www.kcumb.edu) to review the application process and most frequently asked questions for clarification. Applicants are also welcome to contact the admissions office directly. Patrons, whether they are inquirers, applicants or students, will find the admissions office to be professional, knowledgeable and approachable.

KCUMB is a private institution and encourages applications from qualified students interested in pursuing a career in biomedical sciences or bioethics, regardless of their state of permanent residence.

Admissions personnel are available to respond to calls between 9 a.m. and 4 p.m. Central Time at (800) 234-4847 or (816) 283-2351.

Special Accommodations

The University provides reasonable and appropriate accommodations for matriculated students with documented disabilities. The intent of the policy is to provide each student with an opportunity to excel academically, while creating an equitable environment conducive to learning. The policy will be administered consistently, fairly and in a non-discriminatory manner. The policy complies with the Americans with Disabilities Act (ADA) of 1992 and any other applicable state and/or federal laws.

Any student accepted to a University program will be required to complete a Post-Admissions Questionnaire requesting information about mental and/or physical limitations that may require accommodation while attending the University.

The Academic Accessibility Committee (AAC) is responsible for reviewing the completed forms and will follow these steps:

1. In reviewing questionnaires that indicate mental and/or physical limitations, the AAC:
 - a. Investigates whether the disability is ADA-protected;
 - b. Determines if the student is otherwise qualified and is capable of completing the entire program;
 - c. Assesses the risk of the student harming self and others;
2. Reserves the right to request additional documentation;
3. May consult with any necessary health-care providers;
4. May require that the student meet with any University-selected health-care provider at the student's expense for further evaluation or testing;
5. Makes a formal recommendation to the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, based on all

of the information received regarding a student's qualification for meeting the minimal technical standards for the program.

Procedures for Requesting Special Accommodations

Requests for accommodations are made by the student according to the procedures outlined below. Applications may be submitted at any time during the academic year. An application for accommodations is a request for only the academic year in which it was submitted. If an accommodation is granted during the first academic year, a renewal application must be submitted the following year should the student desire continuation of the granted accommodations. Requests for special accommodations do not signify privilege until official notice is received from the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies.

All requests for special accommodations due to a physical, psychological or learning disability must contain appropriate documentation and be directed to both the Academic Accessibility Committee and the Dean of the College of Biosciences, which makes recommendations to the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, who makes approval decisions.

Applicability

All matriculated students who have documented physical, learning and/or psychological disabilities are applicable.

The Student's Responsibilities

Submit a completed application, which can be obtained from the Chair of the Academic Accessibility Committee, and have all documentation forwarded (release form available in the above-mentioned offices) to the Chair of the Academic Accessibility Committee. The application form includes the following information:

1. Name, social security number, student ID number, address and telephone number;
2. Diagnosis of the disability and the earliest date that the disability was professionally diagnosed. Supporting documentation must be forwarded (release form), including diagnosis and how it affects major life activities; results of tests that were administered and interpreted; name, address and phone number of professional(s), including physician(s) responsible for administering and interpreting tests; date(s) that the tests were administered and interpreted; and recommendations for any accommodations;
3. A personal description of how the disability affects major life activities;
4. Define the accommodation(s) that is (are) requested;
5. The applicant must indicate whether accommodations were granted in all previous educational environments; if accommodations were given, the applicant must provide:
 - a. Name of institution(s);

- b. Name of person(s) [and respective department(s)] who granted accommodations;
- c. Subject area(s) for which accommodations were granted;
- d. Specific description of accommodations received;
6. Signature of student;
7. Date the application is submitted.

Important

An application is incomplete if it does not contain documentation dated within 24 months of submission of application. The AAC may waive the 24-month requirement if additional documentation is not deemed necessary.

It is the responsibility of the student to have an evaluation and tests administered and interpreted. The AAC can refer the student to a local provider for evaluation. Any charges for an evaluation or forwarding of documentation are the student's responsibility.

If an accommodation is granted during the first academic year, a renewal application must be submitted to the AAC each subsequent year if the student wants a continuation.

University policies are nondiscriminatory and give consideration to all applicants for admission, financial aid and special accommodations without respect to gender, race, handicap, color, age, religion, creed or ethnic origin. The Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, is the coordinator of the University's nondiscriminatory program.

Authorization to Release Applicant Information

The Federal Privacy Act specifies that only the applicant have access to the application material and the status of his/her application. If the applicant wants another party or multiple parties (i.e., parent, spouse, advisor, physician, friend) to check the status of his/her application, the applicant is required to submit a signed waiver giving personnel of Kansas City University of Medicine and Biosciences permission to discuss all details of the application with each said individual.

Academic Requirements (2009 Entering Class Applicants)

Master of Science in Biomedical Sciences

1. Bachelor's degree from an accredited college or university
2. Completion of 13 hours of chemistry (including organic chemistry), 12 hours of biological sciences, 8 hours of physics, and 6 hours of English
3. Cumulative G.P.A. of greater than 2.75 on a 4.0 scale
4. Graduate entrance examination or MCAT completion (*Note: Beginning with the 2011 entering class, all applicants must take the MCAT*)
5. Provision of three letters of recommendation, at least two from faculty familiar with the applicant's academic abilities

Masters of Arts in Bioethics

1. Bachelor's degree from an accredited college or university, with a cumulative G.P.A. of greater than 2.75 on a 4.0 scale
2. Graduate Aptitude Test Scores: All applicants must submit an official copy of their graduate aptitude test scores as part of their application. Examples of these aptitude tests include the Graduate Records Examination (GRE) or the Medical College Admissions Test (MCAT) developed and administered by the Educational Testing Service (ETS). (**Note:** *Beginning with the 2011 entering class, all applicants must take the MCAT*)
3. Provision of two letters of recommendation

The ability to use a personal or network computer is an integral part of the KCUMB curriculum and is a necessity. Each entering student must have a good working knowledge of common PC use and applications. Students are required to own a PC or laptop computer. Specifications can be obtained at www.kcumb.edu.

Substitutions or Waivers of Admission Requirements

Prerequisite course substitutions are permitted in some situations. Any request for substitutions or waiver of any of the admission requirements must be submitted in writing to the Admissions Office stating the request, rationale for the request and supporting documentation. An applicant may request substitution of undergraduate coursework prerequisites by forwarding one of the following to the admissions office:

- A faculty letter detailing course content;
- A copy of the course description from the College Catalog;
- A copy of the course syllabus.

Documentation providing the most detail will expedite the review process. Applicants will be notified of decisions upon review of course content. If a substitution is granted, the substituted course will not be counted toward the fulfillment of any other prerequisite.

Previous Attendance at Foreign Institutions

Applicants with college credit at foreign institutions, or institutions teaching in a language other than English, must submit official foreign transcripts to one of the following evaluation services as part of the admissions processes:

World Education Services, Inc.
P.O. Box 745 Old Chelsea Station
New York, NY 10113-0745
(212) 966-6311

Josef Silny and Associates
7101 SW 102 Avenue

Miami, FL 33171
(305) 273-1616
info@jsilny.com

Educational Credential Evaluators, Inc.
P.O. Box 514070
Milwaukee, WI 53203-3470
(414) 289-3400

KCUMB will consider credit from the evaluation report only if the evaluation service has indicated the course work taken was similar to course work taken at an institution which is comparable to a regionally accredited U. S. college or university.

Application Process

Applicants are encouraged to begin the application process one year prior to anticipated matriculation.

Review and Notification

The major criteria for rating applicants include both academic excellence and nonacademic achievements. Academic excellence is measured by an assessment of the results of the Graduate Record Examination or the Medical College Admissions Test as well as course grades and grade point averages. Nonacademic achievements also are considered, as well as a candidate's ability and desire to fulfill the mission of the University. Nonacademic activities considered are community/volunteer services (medical and non-medical) and leadership positions (official and non-official) and examples of the depth and duration of involvement. Activities for which the applicant has been honored should also be enumerated. This process is part of the pre-interview assessment.

Following this pre-interview assessment, selected applicants are invited to visit the campus for a formal personal interview. After the interview, the Admissions Committee reviews the applicant's file along with interview recommendations. Applicants are notified as soon as a final admission decision has been made.

A matriculation fee is required from accepted applicants (See "Tuition, Fees & Expenses"). Acceptance is conditional until all official transcripts are received from schools attended and transcripts must be on file prior to matriculation. Applicants accepted while completing course work will be expected to receive a grade of C or higher, and degree requirements will be completed by August 1 of the matriculation year at KCUMB.

Note: Discovery following admission or matriculation of intentional misrepresentation or omission of any information used in the application process or omission of information relative to scholastic records or test records will subject the student to dismissal. Matriculation will be denied to applicants who have failed to

maintain a good record of scholastic performance and/or personal conduct between the time of their acceptance and their matriculation at the University. The University reserves the right to deny admission to any applicant for any reason the University deems sufficient.

Funding Assurance

Students who matriculate into KCUMB graduate programs (with the exception of the Bioethics Professional Enhancement Track) are making a financial commitment to the University for one academic year at a time. Incoming graduate students must provide assurance, prior to the start of classes, that funding for tuition and budgeted living expenses are covered for the entire academic program. Therefore, a stipulation of matriculation obligates an accepted applicant to authorize KCUMB to obtain a current credit report.

A Credit Authorization Form will be provided to each accepted applicant by the Admissions Office. The Finance Department, as a service to the applicant, will evaluate each applicant's ability to obtain student loans in an amount sufficient to cover tuition and living expenses, as needed. Accepted applicants who are unable to provide this assurance will not be allowed to matriculate.

Health Insurance Policy

All matriculating students at KCUMB must be vaccinated in accordance with University's guidelines. KCUMB determines immunization requirements based upon current Centers for Disease Control and Prevention (CDC) guidelines for health-care workers in combination with current requirements for the Office of Community Clinical Education. These guidelines/requirements change and are updated periodically. Applicants and students are expected to be knowledgeable of the current CDC guidelines for health-care workers found on their Web site www.cdc.gov.

All students are required to maintain personal health insurance. Proof of personal health insurance must be submitted to the Office of Admissions before matriculating. Any break in coverage or change in health insurance must be reported to the Vice President for Student Affairs.

Housing

KCUMB does not provide housing; however, the KCUMB Admissions Office can assist students in their search for housing.

COB FISCAL POLICIES AND FINANCIAL AID

Tuition, Fees and Expenses

Incoming students must provide assurance, prior to the start of classes, that funding for tuition and budgeted living expenses are covered for the entire academic program. Accepted applicants who are unable to provide this assurance will not be allowed to matriculate in the current academic year; however, they may reapply for the following year if funding assurance is provided. Current students must also exhibit the ability to fund tuition and budgeted living expenses to be eligible to advance to the next grade level. Evidence of students' ability to pay will be reviewed annually, approximately 90 days prior to the start of each academic year.

Tuition and fees are due and payable in full before each registration date unless special arrangements have been made with the Finance Office or when students have loan applications for amounts sufficient to cover tuition on file in the Financial Aid Office. Tuition and fees are due and payable for the entire academic year regardless of whether the student completes the entire year, except as noted in the refund policy. The University reserves the right to change the schedule of tuition and fees without advance notice and to make such changes applicable to present as well as future students.

The following fees and tuition apply to the 2009-2010 academic year:

Application Fee \$30

Fee payable upon submission of application for admission. *Fee is non-refundable regardless of reason.*

Acceptance/Matriculation Fee \$500

Accepted applicants are required to pay the fee 21 days after their acceptance. The payment schedule for late acceptances may vary. Payment is credited toward tuition once payment of the balance of the tuition is received. Mail acceptance fees to the Admissions Office. *Fee is non-refundable regardless of reason.*

Note: Withdrawing prior to matriculation does not negate the no-refund policy.

Tuition, 2009-2010 \$26,322 (Biomedical Sciences)

Student Activity Fee \$50

Health Service Fee \$100

Tuition, 2009-2010 \$ 20,280 (Bioethics)

Student Activity Fee.....\$50

Health Service Fee.....\$100

Tuition and fees are due and payable in full before the day of class registration, unless special payment arrangements have been made with the Finance Office, or when loan

applications for amounts sufficient to cover tuition and fees are on file in the Financial Aid Office. Tuition includes parking, library privileges and laboratory supplies, but not instruments, equipment, computers, texts, lab manuals or health insurance. Tuition is subject to change annually.

Books and Instruments

The approximate cost for required Biomedical Sciences textbooks is: \$1,500.
The approximate cost for required Bioethics textbooks is: \$550.
The estimated additional cost for a computer with accessories is \$1,500 for a desktop P.C. or \$2,500 for a laptop.

Miscellaneous Fees

Late Registration Fee	\$100
Transcript	\$5
Student Identification Badge Replacement Fee	\$5

General KCUMB Tuition and Fees Refund Policy

All Programs, Except Dual Degree and Professional Enhancement

No course will be credited toward promotion, graduation or subsequent credit if a student has not paid the required tuition and fees, including any additional tuition incurred by repeating any portion of the regular program.

The trustees of the University reserve the right to change the schedule of tuition and fees, without advance notice, and to make such changes applicable to present as well as future students of the University, and to establish additional fees or charges for special services whenever, in their opinion, such action is deemed advisable.

No part of the tuition fee shall be refunded to students who withdraw for any reason after the tenth week from the first day of the academic schedule.

A request for a tuition fee refund requires written notification to the Business Office, and must be received before the close of business during the week in which the refund is requested. The request for a tuition fee refund requires prior written notification of withdrawal from the University. Students who voluntarily withdraw from the University may be entitled to a refund. However, students who are dismissed or suspended from the University are not entitled to tuition refunds.

The tuition refund and/or tuition discount, whichever is applicable, shall be prorated as follows: 75 percent during the first week; 50 percent during the second week; and 25 percent during the third week through the tenth week. The check will be mailed to the student from the Business Office approximately two weeks from the date of receipt of the written request and notification of withdrawal from the University.

Dual-Degree and Professional Enhancement Programs

No course will be credited toward graduation or subsequent credit if a student has not paid the required tuition and fees, including any additional tuition incurred by repeating any portion of the program.

The trustees of the University reserve the right to change the schedule of tuition and fees, without advance notice, and to make such changes applicable to present as well as future students of the University, and to establish additional fees or charges for special services whenever, in their opinion, such action is deemed advisable.

A request for a tuition fee refund requires written notification to the Finance Office, and must be received before the close of business on the fifth calendar day after the beginning of each course for which a refund is requested. The request for a tuition fee refund requires prior written notification of withdrawal from the course. Students who voluntarily withdraw from a course may be entitled to a refund. Students who are dismissed or suspended are not entitled to tuition refunds.

A refund of 100 percent of the amount paid or owing will be allowed to a student who withdraws no later than the fifth calendar day after the beginning of any course. No refund is given following the fifth calendar day. A request for tuition refund must be made in writing to the KCUMB Finance Office and be accompanied by a dated withdrawal letter from the course, which has been sent to the Executive Vice President for Institutional Development and Executive Dean, Graduate Studies.

No tuition refund will be allowed for any course that has been completed.

A tuition refund is not available to a student who is dismissed from the bioethics dual degree program.

Tuition and Fees Refund Policy for Student Financial Aid Recipients

Students receiving financial aid funds are subject to having these funds returned as required by federal, state and/or private aid program policies. This means a student who leaves school for any reason prior to completing 60 percent of the enrollment period will have all or a portion of their financial aid funds returned to the appropriate aid program(s). Federal regulation 34 CFR 668.22 (Return of Title IV Funds) requires the school to calculate the percentage of the student's attendance; then calculate the student's "unearned" portion of the federal funds they have received. The "unearned" funds paid to the school must be returned to the lender within 30 days of the student's date of withdrawal. The student will then be responsible for the payment of the remaining tuition balance due per the KCUMB refund policy. The student will be notified of these amounts at the time of their checkout from the University.

Student Financial Aid

Education is very expensive. During schooling, a student may be forced to live at a very modest level. The primary obligation for financing a student's education lies with the student and the student's family. Need-based financial assistance is available, but is

highly competitive. The federal and private agencies, which make funds available for borrowing, do so with the understanding that a student must sacrifice in order to achieve his/her educational goals.

Upon acceptance to KCUMB, a student who needs financial assistance must complete a Free Application for Federal Student Aid (FAFSA). An application can be made online at www.fafsa.ed.gov. This information allows the Financial Aid office staff to determine the degree and amount of need-based financial assistance, loan amounts and scholarship awards for which a student is eligible.

Financial aid, as awarded or borrowed under federal or private programs, cannot exceed the KCUMB standardized budget and must be used to offset the cost of the student's education. This means biomedical sciences and bioethics student borrowers must live on personal expenses of \$1,900 per month for their enrollment period from all monies available to them, including personal resources, parental assistance, awards, scholarships and loans. Personal income from the previous year, the income of the student's spouse and, in some cases, the income of the student's parents are also taken into account when figuring the amount a student can be awarded or can borrow.

Money is available for a student's direct educational costs and personal support while he or she receives an education. The student must be frugal and a good money manager to make the budget work comfortably. The primary federal sources are the subsidized and unsubsidized Stafford and GradPLUS loan programs. The subsidized Stafford loan is a low-interest program on which the government pays the interest while the student borrower is in school and is the loan of first choice. The unsubsidized Stafford and GradPLUS loans accrue interest from disbursement and are the loans of last resort. Refer to "Loan Programs and Sources" for maximum borrowing amounts for each program.

A student may not be eligible for the full amount of loans based on his or her needs analysis application (FAFSA) and the KCUMB standardized budget (Cost of Attendance). The amount a student can borrow is based on the cost of his/her education and potential personal contributions, not on the student's desire for capital.

Students must carefully consider the repayment implications of loan programs and avoid excessive borrowing. KCUMB has a federally mandated obligation to keep a student's indebtedness to a minimum. A student will receive counseling while in school about the nature of his/her debt and the projected payment schedule. Borrowing money from these programs is a privilege, not a right; the regulations controlling these programs change periodically.

The KCUMB Financial Aid Office is in place to assist students in financing their educations. The office staff will help find money for the student, but the primary responsibility for the financing of a student's education lies with the student. This means that such things as supplying personal documentation, supplying family documentation, ensuring that a student qualifies for loans by having a favorable credit report and providing monies for prior commitments are the student's obligations under the system.

Default of a student loan is failure to repay the loan according to the terms agreed to in the promissory note. Default also may result from failure to submit requests for

deferment on time. If a student defaults, the college, the organization that holds the loan, the state and the federal government can all take action to recover the money.

The federal government and the loan agencies can deny a school's participation in the student loan programs if the school's default rate is too high. The University will withhold the transcript of any student who is in arrears or in default under any loan or loan program where such arrearage or default adversely affects the University in any way.

General Financial Aid Policies

The University attempts to make adequate financial assistance available to all students within the limits of the student budget and the availability of loans and scholarships. A comprehensive student expense budget has been designed to cover tuition, educational costs and reasonable living expenses for each academic year. Budgets are designed for the student only and are not intended to cover family living expenses or to cover debt incurred prior to attendance at KCUMB.

The University takes seriously its responsibility to provide a reasonable expense budget and to monitor long-term student debt. Based upon these principles, all financial aid awarded, which includes federal, state and private programs, will be determined within federal financial aid guidelines and the limits of the student budget. Students will not be allowed unlimited borrowing simply because programs are available. *Note: The Department of Education mandates that non-school certified private education loans be included when determining eligibility for federal programs.*

For students applying for financial aid at or beyond the midpoint of their academic year, financial aid eligibility will be determined for living expenses based on the number of months remaining in the academic year plus unpaid tuition that is not covered by another source.

Budget Adjustments

A student may request a budget adjustment based on these four reasons only:

- 1. Health Insurance.** The actual cost paid by the student for health insurance (to a maximum of \$125/month) will be added provided that the most recent bill or premium notice indicating the amount due is submitted at the time of initial application for aid. Health insurance costs for family members cannot be included.
- 2. Child Care.** One-half the actual cost of child care up to the maximum allowed for students with dependent children 12 years and under that meet qualification criteria. Private school tuition does not qualify as child care. Limitations may apply. An application for the allowance with appropriate documentation is required.
- 3. Medical Expenses.** Extraordinary expenses (for the student only) not covered in the student budget for unreimbursed medical expenses for non-elective procedures incurred within the current academic year. Documentation is required and limitations may apply.

4. Computer Purchase. All KCUMB students are required to own a PC or laptop computer meeting KCUMB specifications. The maximum allowances follow:

Personal Computer Purchase \$1,500

Laptop Purchase \$2,500

Certain limitations are in effect. Documentation is required. This is a one-time only purchase for enrollment at KCUMB. Forms are available in the Financial Aid Office during normal business hours.

Note: A student may appeal any denial of a request for a budget adjustment or extraordinary circumstances by submitting a written request for appeal to the Director of Financial Aid.

The Financial Aid Application Process

An application packet will be sent to incoming students upon receipt of the required acceptance fee. This packet will include:

1. KCUMB Application for Financial Aid
2. A letter and Instructions for Applying for Aid

Once the student has submitted the required documents and completed forms as listed on the Application for Financial Aid, the Financial Aid Office determines his or her aid eligibility. An Aid Award Offer is then sent to the student to notify him or her of eligibility for the following programs:

- Federal Subsidized Stafford Loan
- Federal Unsubsidized Stafford Loan
- Federal Perkins Loan
- Federal Graduate PLUS loan

Each student will receive an Entrance Interview prior to the release of these funds, usually during Orientation Week. For students apply for, or requesting, financial aid at or beyond the midpoint of their academic year, financial aid eligibility for living expenses will be determined based on the number of months remaining in the academic year plus unpaid tuition that is not covered by another source.

Conflicting Information

If a review of student financial information reveals discrepancies or shows conflicting information, no federal, state or other financial aid will be released until the discrepancy or conflicting information is resolved. The following guidelines concerning discrepancies are in effect:

- Students who fall into this category may be school-selected for verification. A verification worksheet will be mailed to the student by the Financial Aid Office;
- The student will be given every opportunity to provide an explanation or documentation to resolve the conflict;
- If the Financial Aid Office gives an adverse decision, the student may submit a written request for appeal to the Director of Financial Aid.

Verification of Student Financial Information

Students selected for verification by the U.S. Department of Education's Central Processor are governed by this policy:

- From the date of notification by the Financial Aid Officer, the student will have 60 days to supply the necessary documentation;
- Failure to provide required documentation will result in the withholding of all student aid funds;
- A student selected for verification will be mailed a verification worksheet to the current address of record;
- A student must submit the completed verification worksheet, a copy of his/her federal tax return and any other documentation required to support the information declared;
- A student's aid package will not be determined until the verification process has been completed.

Misreporting, Misrepresentation and Fraud

Any student found to have misreported information and/or altered documentation to increase his/her student aid eligibility or to fraudulently obtain federal funds may face any or all of the following disciplinary action(s):

- Subject to the Student Conduct Guidelines;
- As per federal regulation 668.14(g), referral to the Office of the Inspector General of the Department of Education, or, if more appropriate, to a state or local law enforcement agency having jurisdiction to investigate the matter;
- Loss of participation in federal financial aid programs for:
 - a. The current academic year, or;
 - b. The remaining years of enrollment.

Evidence of Misrepresentation

In the event the Director of Financial Aid finds evidence of willful misrepresentation and/or fraud, the student will meet with the Director of Financial Aid and the Vice President for Student Affairs. At that time, disciplinary action will be discussed with the student.

Student Aid Revision Policy

In order to prevent or minimize over-awards, reduce student debt and comply with federal, state and private aid programs, the following policy is in effect:

At the time a student receives other aid after the initial financial aid package is determined, the student's aid will be re-evaluated to determine his/her new eligibility and whether an over-award will occur. The Financial Aid Officer will take all steps necessary to reduce or eliminate the over-award to the extent of his/her control.

If an over-award occurs, the procedures listed below will be followed:

- A revised aid award offer will be completed and sent to the student advising him/her of the revision;
- A new disbursement schedule will be completed and sent to the student with the revised award offer to advise him/her of how the change will affect future disbursements, tuition payments and living expenses;
- Subsequent disbursements will be cancelled or reduced accordingly;
- If the additional resource is credited to tuition (as with scholarships or Vocational Rehabilitation), the resulting refund will be returned to the loan programs to reduce any over-award. In the event a personal check was given to pay any part of the tuition, it will be determined whether an equivalent amount of loan funds was delivered to the student creating the over-award. These funds will also be returned to the lender of the loan program to the extent of the loan funds delivered to the student;
- After all efforts have been exercised by the Financial Aid Office to reduce/eliminate the over-award, per federal guidelines, a Stafford Loan borrower who is over-awarded and received funds disbursed directly to him/her will not be required to repay funds that were delivered in excess of need unless the over-award was caused by his/her misreporting or withholding information.
- In the event an over-award exists due solely to scholarships, Vocational Rehabilitation, etc., with no loans involved, the Financial Aid Office will contact the program's administrator to coordinate the programs appropriately.

Standards for Satisfactory Academic Progress

Federal regulations require that all students receiving financial assistance from Title IV programs must maintain satisfactory academic progress. Private, non-federal loan programs also require a student to meet satisfactory academic progress standards.

College of Biosciences

A student falling below a 3.00, but earning at least a 2.50 cumulative G.P.A. after the first semester will be placed on financial aid probation. The student must attain a 3.0 cumulative G.P.A. by the end of the second semester to return to full financial aid eligibility status and avoid academic dismissal. In addition, a student placed in any status by administrative directive that stipulates the student is considered "Not in Good Standing" or "Not Meeting Satisfactory Progress" or placed on suspension from academic participation is ineligible for financial aid.

Loan Programs and Sources

Federal Stafford Loans

The interest rate is fixed at 6.8 percent. An origination fee of .5 percent plus a default fee of 1 percent are charged and deducted from the loan proceeds. This applies to both Subsidized and Unsubsidized Stafford Loans. Additional details are provided below:

Federal Subsidized Stafford Loans

For those who qualify, this program provides up to \$8,500 per academic year with a cumulative maximum of \$65,500, including undergraduate loans. Interest is paid by the federal government while the student is in school and periods of approved deferment.

Federal Unsubsidized Stafford Loan

This program provides \$20,500 per year (less the amount in Subsidized Stafford loans) with a cumulative maximum of \$138,500, less the amount of subsidized Staffords. Interest begins to accrue at disbursement; unpaid interest will capitalize at repayment.

Federal Perkins Loan

Perkins monies are contingent on the availability of funds and the demonstration of need according to federal regulations and University guidelines. The interest rate is 5 percent. The cumulative amount is \$60,000 (including undergraduate loans).

Federal GradPLUS Loan

The Federal GradPLUS loan program was made available July 1, 2006. Congress extended the undergrad PLUS (parent) loan to allow graduate students to borrow on their own signature up to the cost of attendance (less the amount of Sub/Unsub Stafford loans and other aid). A credit check is required. The interest rate is fixed at 8.5 percent; requires the borrower to pay a 3 percent origination fee, plus a 1 percent default fee. The GradPLUS enters repayment immediately after it is fully disbursed, at which time it is placed in an in-school deferment while the student continues in school. The loan will enter repayment once the student is no longer enrolled. The same deferment options are available as with Stafford Loans.

Financial Aid Code of Conduct

The Financial Aid Office at KCUMB, as a member of the National Association for Student Financial Aid Administrators (NASFAA), adheres to NASFAA's Statement of Ethic Standards and Code of Conduct for Institutional Financial Aid Professionals.

Code of Conduct for Institutional Financial Aid Professionals

An institutional financial aid professional is expected to always maintain exemplary standards of professional conduct in all aspects of carrying out his or her responsibilities, specifically including all dealings with any entities involved in any manner in student financial aid, regardless of whether such entities are involved in a government sponsored, subsidized, or regulated activity. In doing so, a financial aid professional should:

- Refrain from taking any action for his or her personal benefit
- Refrain from taking any action he or she believes is contrary to law, regulation, or the best interests of the students and parents he or she serves

- Ensure that the information he or she provides is accurate, unbiased, and does not reflect any preference arising from actual or potential personal gain
- Be objective in making decisions and advising his or her institution regarding relationships with any entity involved in any aspect of student financial aid
- Refrain from soliciting or accepting anything of other than nominal value from any entity (other than an institution of higher education or a governmental entity such as the U.S. Department of Education) involved in the making, holding, consolidating or processing of any student loans, including anything of value (including reimbursement of expenses) for serving on an advisory body or as part of a training activity of or sponsored by any such entity
 - Disclose to his or her institution, in such manner as his or her institution may prescribe, any involvement with or interest in any entity involved in any aspect of student financial aid

The full document can be found at:

www.nasfaa.org/subhomes/mediacenter/nasfaacodeofconduct.pdf

COB ACADEMIC RECORDS AND POLICIES

General Academic Information

Responsibility of the Student

Students are expected to become familiar with the academic policies, curriculum requirements and associated deadlines as posted to this catalog and the *Student Handbook*. The academic adviser will aid the student in understanding their academic program requirements as well as interpretation of policies whenever necessary. However, it is ultimately the student's responsibility to be cognizant of and comply with all university policies and procedures and to meet all stated requirements for the degree. It is also the student's responsibility to frequently monitor campus e-mail, the university Web site and also their blackboard accounts, as these communications venues have replaced mass mailing as the University's most effective and efficient ways to disseminate important information to the campus community.

Academic Advising

Academic advisers are charged with the responsibility of assisting students in the successful completion of the student's program of study.

The Dean of the College of Biosciences serves as the academic adviser for all students in the one-year biomedical science program and students participating in the research track are each assigned an adviser by the Dean.

The Chair of the Bioethics Department serves as the academic adviser for all students in the Bioethics program.

Registration

KCUMB engages in block registration by student cohort. Consequently, students are required to report to campus on the registration date as specified in the Academic Calendar. Students who fail to appear risk losing their seat. All students failing to appear at the beginning of registration may be required to pay the late registration fee. Students who are not in university compliance may not attend classes.

Attendance/Absences

Attendance at all KCUMB classes is required. As professionals, students are expected to adhere to this attendance policy with diligence.

Missed laboratory sessions may be made up if they occur related to an excused absence. Requests for excused absences must be filed at least 10 days prior to the anticipated absence.

Excused absences may be granted prior to the date requested at the discretion of the Dean of the College of Biosciences, at least 10 days prior to an anticipated absence.

Unanticipated absences will only be considered for extenuating circumstances beyond the student's control.

Excused Absences, Make-Up Examinations and Quizzes

The following policy outlines the criteria for excused absences, make-up examinations and quizzes:

Civic Responsibilities: Students are required to be physically present at citizenship hearings; court hearings or jury duty on the date of a regular lecture, examination or quiz will be granted an excused absence and allowed to take a make-up examination or quiz. Students should contact the Dean of the College of Biosciences with supporting documentation to discuss such circumstances prior to occurrence. It is the student's responsibility to schedule make-up examinations or quizzes with the Section/Course Director within two days of returning to campus.

Academic Conflict: Students may request an excused absence for academic-related conferences or activities. Only students in good academic standing (G.P.A. of 3.0 or above) will be considered.

Death in the Family: Any student applying for an excused absence or to take a make-up exam or quiz due to a death in their family must provide a copy of the death certificate or obituary program. Consideration will be given for deaths of spouse, life partner, parents, siblings, children, in-laws or grandparents.

Illness: Any student who misses a lecture, exam or quiz due to illness must be seen by the KCUMB Student Health Clinic physician or their private health-care provider on the day of the missed lecture, exam or quiz in order to have such illness documented. KCUMB's Student Health Clinic physicians will forward written documentation/assessment of the student's physical conditions to the Dean of the College of Biosciences with his/her recommendation. If a make-up exam or quiz is approved, it will be scheduled with the Section/Course Director within two days of returning to campus.

Other: Additional extenuating circumstances, not covered by these guidelines, may be brought to the Dean of the College of Biosciences for consideration. However, excused absences should **not** be requested for weddings, vacations, birthdays, non-family special events, etc.

Excessive make-up requests: Any student requesting excessive numbers of excused absences, make-up examinations or quizzes will be referred to the Promotion and Graduation Committee or Administrative Officers.

As professionals, students are expected to adhere to the KCUMB attendance and absenteeism policy with diligence.

Examinations

Examinations are regularly scheduled and required. Students are evaluated on the basis of their performance of assignments as well as achievements on written, oral and practical examinations. The results of examinations and reports concerning attendance, conduct and potential professional attributes are considered by the Promotion and

Graduation Committee in the process of determining eligibility for promotion and graduation.

Leaves of Absence

A leave of absence may be granted from the University for several reasons including:

- A medical emergency or illness;
- A financial emergency;
- Personal emergency;
- Military service;
- Pursuit of an academic endeavor other than the regular classroom work, either on campus or at another recognized educational institution.

The Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, may grant a leave of absence for a designated period of time with or without conditions. Conditions are commonly prescribed in cases of academic deficiency or medical related issues.

Students granted a medical leave of absence must have a licensed physician, selected by the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, certify in writing that their physical and/or mental health is sufficient to continue in a rigorous educational program before they may return to the University.

A student granted a leave of absence with conditions may be required to meet with the Promotion and Graduation Committee before reinstatement.

Students granted a financial leave of absence must, prior to returning to the University, prove to the finance department of the University that they have the financial capability to advance in their education.

Students seeking an academic leave of absence must verify that all terms and conditions of the leave are stated before the leave will be granted, thereby ensuring that the student does not miss important core information.

All leaves of absence should be requested in writing to the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, who is responsible for approving or denying requests for leaves of absence.

Students granted a leave of absence must follow the checkout process detailed below:

1. Students must present the Registrar with a letter signed by the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies indicating that a leave of absence has been approved and that checkout is in order;
2. Before leaving campus, the student must secure a checkout form from the Office of the Registrar and undergo an exit interview with:
 - a. The Office of Financial Aid;
 - b. The Office of Credit and Collections;
 - c. The Library;
 - d. The Office of Information Technology;
3. The completed checkout form must be submitted to the Office of the Registrar.

4. Once the student completes all obligations, the Office of the Registrar will release student records upon written request.

Following a leave of absence, a student must request reinstatement in writing to the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies.

Disciplinary Situations

In cases where the administrative officers deem it necessary, a disciplinary situation may be referred to the Promotion and Graduation Committee, as detailed in the Student Conduct Guidelines. For additional information on student conduct guidelines, disciplinary actions and appeal processes, please refer to the *Student Handbook*.

Course Drops and Withdrawals

Students who wish to drop/withdraw from a single or multiple courses, but not withdraw completely from the University, must adhere to the following procedures:

Students may drop courses within five class days following the initial class meeting. A student who wishes to drop a course is required to obtain a Change of Status Form from the Registrar's Office, obtain the signature of the course director and return the form to the Registrar's Office within the prescribed time requirements. A student who drops a course within the prescribed time sequence will have no record of the course on their transcript. A student who wishes to drop a course beyond the prescribed five-day time sequence will be allowed to do so up until the Friday before final exam week, but the course(s) will be recorded on the student's transcript with a "Withdrawal" notation in the grade category.

Exceptions to this policy may be granted based on extenuating circumstances. Appeals to the withdrawal deadline are only granted following submission of a written petition, the concurrence of the course director and college dean, and the approval of the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies.

Transfer of Credit for Bioethics Program

A student may transfer as much as four semester credits from a regionally accredited graduate institution toward completion of their KCUMB master of arts in bioethics degree. To qualify for consideration as transfer credit, the following minimum requirements must be met:

- The requested credit must be from another regionally accredited graduate institution in the U.S. or a foreign institution that is recognized by its country's Ministry of Education – or equivalent agency – as a graduate degree granting institution.

- The requested credit must be for graduate-level course work taught by a graduate faculty member with scholarly competence in the subject area.
- The transfer transcript must clearly indicate that the course was taken for graduate credit and include the number of credit hours and grade.
- The course work must have received a grade of “B” or better (3.0 on a 4.0 scale).
- The course content is appropriate for the master of arts in bioethics degree.

Students requesting transfer credit must submit:

1. An official transcript from the institution where the course was taken;
2. A photocopy of the course description from the appropriate school Catalog or bulletin; and
3. Information certifying the instructor’s credentials (e.g., a copy of the instructor’s vita or a biographical sketch printed from the institutions Web site).

Students may request transfer credits for either required or elective courses in the bioethics program. However, transfer credit may not substitute for the Final Project course. Current students who are considering taking courses at another institution for transfer credit are encouraged to seek approval prior to beginning the course. All requests for transfer must be completed and submitted to KCUMB 90 days prior to a student’s anticipated graduation. All transfer coursework is denoted as “TR” credit on the students KCUMB transcript and has no bearing on the students GPA.

KCUMB dual-degree D.O./M.A. bioethics students who transfer the “Ethics for Physicians” elective course from the College of Osteopathic Medicine to the bioethics program are excluded from this transfer credit policy. Credit for the “Ethics for Physicians” course is automatically applied to both programs for all D.O./M.A. degree-seeking students.

University Withdrawal

It is imperative that any student who leaves the university (becomes a non-student), for any reason, complete the university’s checkout procedure. Failure to complete this checkout procedure will cause the university to withhold all records pertaining to the student’s attendance. Students may initiate a University Withdrawal anytime prior to the start of the term through the Friday before final exams. Students who withdraw from the University after the first day of class will have “W” recorded on their transcripts regardless of attendance.

The checkout procedure for a student withdrawing from the university is as follows:

1. The student must present the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, with a letter of withdrawal;
2. The student presents the Registrar with a signed letter from the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, that their request for withdrawal has been approved and that checkout is in order;

3. Before leaving campus, the student must secure a checkout form from the Office of the Registrar and undergo an exit interview with:
 - e. The Office of Financial Aid;
 - f. The Office of Credit and Collections;
 - g. The Library; and
 - h. The Office of Information Technology.The completed checkout form must be submitted to the Office of the Registrar.
4. Once the student completes all obligations, the Office of the Registrar will release student records upon written request.

Student Academic Records

Office of the Registrar

The Office of the Registrar has a commitment to providing exemplary service to students, graduates and faculty. The department functions to provide accurate information and efficient service to the constituencies of the University while not only facilitating and coordinating activities in accordance with University policy and federal statutes, but also serving as the custodian of student academic records. The Registrar's Office serves as an information resource for students, graduates, faculty and staff, and actively seeks ways to effectively communicate and inform those associated with the University of their rights and responsibilities.

Academic Records Requests

Requests for academic records (excluding Medical Student Performance Evaluations) will be processed by the Registrar's Office in the order they are received. Federal regulations mandate a signed request to authorize the release of student academic records. Consequently, phone requests for transcripts are not acceptable. Faxed requests, however, are acceptable for unofficial copies only.

The Registrar's Office makes every effort to respond to requests in a timely manner and has traditionally been able to process transcript requests within three to five days from the time the request was received. Depending on staff workload, the office is frequently able to process transcript requests within one day. Requests for multiple transcripts, several different documents (e.g., a request for a Transcript as well as Board scores) or requests during peak operating times (e.g., graduation), may require additional processing time. Information which is required to meet a third-party deadline should be requested with at least two weeks lead time to ensure expedient delivery and appropriate recording.

Official transcripts cost \$5, due at the time of request. Requests will not be processed unless payment has been received in full and the student or alumnus has fulfilled all financial obligations to the University. All services will be withheld in situations of default on student loans or other similar financial obligations. Official transcripts are

generally forwarded directly to the receiving party. Unofficial transcripts do not carry the college seal and are stamped with a red ink identifier. Unofficial transcripts are free of charge and the first 15 MSPE letters and copies of Board Scores are also free of charge. Requests for MSPE letters that exceed the first 15 cost \$5 each.

A graduate who has lost his or her original diploma or requests a duplicate due to a name change must make a request through the Registrar's Office with supporting legal documentation. The cost for a duplicate diploma is \$125. A new diploma will have the word "duplicate" printed on the lower left corner.

Confidentiality and Disclosure of Student Records

In accordance with the Family Educational Rights and Privacy Act and the regulations promulgated there under (34 C.F.R. Part 99, Regulations), the University will permit inspection and review of education records of students upon the following conditions:

1. The University will notify students of their rights to review records by referring to this policy;
2. An eligible student will be allowed to inspect and review his/her education records. Requests for copies of the records should be made in the office of the Registrar, in writing, on the forms provided, and signed by the student. Records will be released in a reasonable time, and, in any event, no more than 45 days from the date of the request;
 - a. Educational records include all transcripts, confidential letters and confidential statements of recommendation, receipt of an honor or honorary recognition, letters of reprimand and all letters from the Promotion and Graduation Committee to the student;
 - b. The University will not permit a student to inspect and review educational records that are financial records, including any information those records contain, of his/her parents, or any confidential letters or statements that the student has waived his/her right to inspect and review. This provision includes confidential admission information;
 - c. There will be a fee of \$5 per request for copies of official transcripts. There is no charge for unofficial transcripts.
3. Personal identifiable information will not be released from an educational record without the prior signed consent of the student personally identified unless:
 - a. The disclosure is to other school officials, including faculty and contracted entities, within the University whom the University has determined to have legitimate educational interests;
 - b. The disclosure is, subject to the requirements of §99.35 of the Regulations, to authorized representatives of:
 - i. The Comptroller General of the United States;
 - ii. The Secretary of Education; or
 - iii. State and local educational authorities.

- c. The disclosure is in connection with financial aid for which the student has applied or which the student has received, if the information is necessary for such purposes as to:
 - i. Determine eligibility for the aid;
 - ii. Determine the amount of the aid;
 - iii. Determine the conditions for the aid; or
 - iv. Enforce the terms and conditions of the aid.
- d. The disclosure is to accrediting organization to carry out their accrediting functions;
- e. The disclosure is to comply with a judicial order or lawfully issued subpoena. The University will disclose information under this paragraph only after making a reasonable effort to notify the eligible student of the order or subpoena, or the parent of a dependent student, in advance of compliance. In addition, the University will attempt to obtain the student's written consent to the release of educational records prior to compliance with the judicial order or subpoena. If the University is unable to obtain the student's written consent, the University will notify the requesting party of its requirements under §99.33 of the Regulations concerning re-disclosure of the information;
- f. The disclosure is in connection with a health or safety emergency, under the conditions described in §99.36 of the regulations;
- g. The disclosure is directory information. The University has designated the following types of personally identifiable information as directory information: Student's name, address, telephone listing, e-mail address, date and place of birth, photograph, major field of study, participation in officially recognized activities, dates of attendance, degrees and awards received, most recent previous educational agency or institution attended; and location, training institution and medical specialty identified for postdoctoral education;
- h. The disclosure is in conjunction with the MSPE/Dean's Letter for submission on behalf of the student for an application for internship, residency, or fellowship.
- i. The disclosure is in connection with a transfer of education records, under the conditions described in §99.31 and §99.34 of the regulations;
- 4. A legitimate educational interest by school officials, including faculty, includes requests for advisement purposes, information needed for writing letters of recommendation or commendation, or information needed to determine the academic status of a student for disciplinary measures;
- 5. The University will maintain a record of all disclosures made pursuant to this policy for the length of time it maintains the educational records of the student. The record of disclosures will be available for inspection by the student;

If an eligible student believes the educational records relating to the student contain information that is inaccurate, misleading or in violation of the student's rights of privacy, he or she may ask the University to amend the record. The University reserves the right to decide whether to amend the record as requested. If the University decides not to amend the records the student will be informed of his/her right to a hearing.

For a detailed review of FERPA legislation, please refer to the U.S. Department of Education Web site at <http://www.ed.gov/policy/gen/reg/ferpa/index.html>.

Grades and Grading Policies

Grades and Quality Points – M.S. in Biomedical Sciences

<i>Grade</i>	<i>Quality Points</i>
A	4.00
B	3.00
C	2.00
F	0.00
S	Satisfactory/Pass
U	Unsatisfactory/Fail
I	Incomplete
W	Withdrawal
NR	Not Reported

Grades and Quality Points – M.A. in Bioethics

<i>Grade</i>	<i>Quality Points</i>
A	4.0
B+	3.3
B	3.0
C	2.0
F	0.0

Incomplete Grades

An instructor may assign a grade of "I" if the instructor believes that a student has been unable to complete the course/section on time because of unavoidable conditions. The student's signature is not required for the contract to be in force. A copy of the contract will be mailed to the student by the Registrar's Office giving the student a 10-day window in which to decline the incomplete and receive their earned grade.

Any student receiving a grade of "I" must coordinate with the instructor/section director to satisfy all outstanding coursework for the course/section. Once outstanding requirements for the course are satisfied, the instructor will process a change of grade form converting the "I" to a letter grade. The deadline for the grade change is the last

day of class of the next full-length (i.e., fall or spring) term. Once this deadline has passed, the “I” becomes an “F.”

A degree cannot be awarded to a student with an incomplete grade on his/her record.

Grade Changes/Corrections

No grade will be changed unless the section director or instructor certifies in writing, that an error occurred in computing or recording the grade, or a section or course has been successfully remediated. Such changes must be approved by the Dean of the College of Biosciences and must be documented on a grade change form that is submitted to the Office of the Registrar for processing.

Academic Assessment, Status and Promotion

Eligibility for Continued Enrollment

The Promotion and Graduation Committee evaluates student performance at the end of each semester of study. Records are reviewed to determine if the student has fulfilled all academic requirements, has maintained the standards of ethical, moral, personal, and professional conduct, and is considered mentally and emotionally fit. At the end of an academic year, the Promotion and Graduation Committee reviews students with respect to the above requirement and certifies eligibility for graduation.

At a Faculty Senate meeting preceding commencement, the Promotion and Graduation Committee certifies to the faculty the names of those students eligible for the master of science in biomedical sciences degree and the master of art in bioethics degree.

The University, by recommendation of the Promotion and Graduation Committee and/or the action of the administrative officers, reserves the right to place on conditional or stipulated status, suspend or dismiss a student who has failed to:

1. Pass all courses.
2. Complete all graded courses with a cumulative grade point average (G.P.A.) of 2.5 or higher after the first semester or 3.0 or higher after completion of all graded coursework.
3. Maintain acceptable standards of academic performance.
4. Maintain acceptable ethical, moral, personal or professional conduct.
5. Abide by the University’s policies, rules and regulations.
6. Fulfill legal or financial obligations to the University.
7. Show professional promise, including mental and emotional fitness, in the biomedical sciences or bioethics.

Assessment Policy – Biomedical Sciences

A. The school year is divided into fall, spring and summer semesters. The fall and spring semesters are typically comprised of 15-17 credit hours each. The summer semester is

typically comprised of 6 credit hours. The number of semester hours (or unit measure) is calculated by the Registrar.

Testing during a course may consist of:

1. Quizzes;
 2. Midterm exam(s);
 3. Final Exam;
 4. Lab practical examinations (if applicable).
- B. Students will receive a letter grade for each course (except those designated “satisfactory/unsatisfactory” courses). Points may be assigned for examinations, quizzes, lab exercises, assignments, practicals, etc.
1. A percentage of the total point score possible for the course will be calculated based on points earned.
 2. The course director will assign a letter grade of A, B, C, or F generally based on the following scale:
 - A 90-100%
 - B 80-89%
 - C 70-79%
 - F < 70%
 3. If the student fails a course, he/she will be dismissed from the College of Biosciences.
 4. The Registrar will calculate an overall G.P.A. each semester. This information will then be reported to students.
 5. A Continuous Quality Improvement evaluation will be completed at the end of each course. All students will be required to fill out an evaluation before receiving their grade for the course.
- C. Graduation Requirements for biomedical sciences students
1. Satisfactory completion (passing grades) of:
 - a. All courses (with an overall G.P.A. of 3.0 or higher)
 - b. Completion of all required course work within three years of matriculation
 2. The recommendation for graduation from the Promotion and Graduation Committee. All records are reviewed to determine whether the student has fulfilled all academic requirements, has maintained the standards of ethical, moral, personal and professional conduct required of a recipient of a master of science degree in biomedical sciences.
- D. Dismissal for biomedical sciences students
1. A student may be dismissed from the master of science in biomedical sciences program for any of the following reasons:
 - a. Failing a course;
 - b. Having a G.P.A. of less than 2.5 after one semester or less than 3.0 after two or more semesters of coursework.
 - c. Not maintaining the standards of ethical, moral, personal and professional conduct required of KCUMB students.

- d. Not completing all required course work within three years of matriculation date.

Assessment Policy – Bioethics

- A. Courses are typically 3 credit hours (37.5-45 contact hours) and offered during the summer, fall and spring. In each course, faculty may employ a variety of assessment methods, including:
 1. Quizzes and examinations, including a Final Exam
 2. Class participation
 3. Small group discussions
 4. Group projects
 5. Research papers
 6. Class presentations
 7. Online assignments
 8. Experiential learning projects
- B. Students will receive a letter grade for each course, except those courses designated “satisfactory/unsatisfactory.”
 1. A percentage of the total point score possible for the course will be calculated based on the points earned.
 2. The course director will assign a letter grade generally based on the following scale:

A	90-100%
B+	87-89%
B	80-86%
C	70-79%
F	< 70%
 3. Following the completion of each semester, the Registrar will report to students their final course grade and overall G.P.A.
 4. If a student’s G.P.A. falls below 3.0, he/she will be placed on academic probation.
 5. Students will be asked to complete course and instructor evaluations for each course they complete.
- C. Graduation Requirements for students in the master of arts in bioethics program:
 1. Satisfactory completion (passing grades) of:
 - a. All courses, with an overall G.P.A. of 3.0 or higher
 - b. Bioethics Thesis or Final Project; and
 - c. Completion of all required course work within three years of matriculation (five years for students in the Professional Enhancement Track)
 2. The recommendation for graduation from the Promotion and Graduation Committee. All records are reviewed to determine whether the student has fulfilled all academic requirements, has maintained the standards of ethical, moral, personal and professional conduct required of a recipient of masters of arts degree in bioethics.

D. Dismissal from the Bioethics program

- i. A student may be dismissed from the bioethics program for any of the following reasons:
 - a. Failing a course;
 - b. Not maintaining the standards of ethical, moral, personal, and professional conduct required of KCUMB students; or
 - c. Not completing all required course work within three years of matriculation date (five years for students in the Professional Enhancement Track).

Good Academic Standing

Students are considered to be in good academic standing when they meet the minimum criteria for continued enrollment. Refer to the Eligibility for Continued Enrollment section of this catalog for additional details.

Academic Load

Full-time status in all graduate-level programs equals 9 or more semester credits during the fall and spring semester, and 6 or more credits during the summer semester. Half-time status equals 6-8 semester credits during the fall and spring semesters, and 3-5 semester credits during the summer semester.

Dismissal and Checkout of Students

The University reserves the right to dismiss any student at any time prior to graduation. Circumstance warranting such action may be of an academic, financial, health, legal or social nature.

It is imperative that any student who leaves the University (becomes a non-student), for any reason, complete the University's checkout procedure. Failure to complete this checkout procedure will cause the University to withhold all records pertaining to the student's attendance. The checkout procedure is as follows:

1. If the student is withdrawing, he/she must present the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, with a letter of withdrawal, or if he/she is requesting a leave of absence, he/she must present the Registrar with an approved request signed by the Dean of the College of Biosciences;
2. If the student is being dismissed, the Dean of the College of Biosciences will inform the Registrar of the dismissal as soon as possible and communicate with the student who is being dismissed that checkout is in order;
3. Before leaving campus, the student must secure a checkout form from the Office of the Registrar and undergo an exit interview with:
 - i. The Office of Financial Aid;
 - j. The Office of Credit and Collections;
 - k. The Library;

1. The Office of Information Technology;
The completed checkout form must be submitted to the Office of the Registrar.
4. Once the student completes all obligations, the Office of the Registrar will release student records upon written request.

Dismissal Appeals Process

Students have five days following receipt of a notice of dismissal to file an Intent-to-Appeal to the Office of the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies. The Intent-to-Appeal letter is required to expedite the process, and failure to file a letter indicating an intent-to-appeal within the five-day period will nullify the continued appeals process.

Additional details regarding how to draft and file an appeal are available in the *Student Handbook*.

Exceptions to Academic Policy

The KCUMB Catalog is the basic authority for academic requirements and associated policies. All students are expected to follow the catalog in the pursuit of their degrees. On occasion, however, extraordinary circumstances may warrant minor departures from the catalog requirements. Students who believe their situation warrants a deviation from academic policy may petition for an exception to policy by filing an appeal with the Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies. There are, however, several academic requirements and procedures for which exceptions are never made, even through the academic petition process (i.e., successful completion of course requirements; minimum GPA to graduate, etc.).

Graduation and Commencement Requirements

Degree Requirements

A student who has fulfilled all the academic requirements of their program may be granted a degree from the KCUMB College of Biosciences provided the student:

1. Has been in residence at the KCUMB College of Biosciences for at least one year and has maintained a G.P.A. of 3.0 or greater and passed all courses;
2. Has complied with all the curricular, legal and financial requirements of the University;
3. Attends, in person, the ceremony at which time the degree is conferred;
4. Has demonstrated the ethical, personal and professional qualities deemed necessary for the pursuit of a successful career in the biomedical sciences or bioethics.

In addition, all master's degree students who are not participating in the dual-degree doctor of osteopathic medicine program must graduate within three years of the date of

matriculation. The Executive Vice President for Institutional Development, and Executive Dean, Graduate Studies, must approve exceptions to this policy on an individual basis, taking into account only extenuating circumstances.

COB CURRICULUM

Master of Science in Biomedical Sciences Overview

All students in the master of science in biomedical sciences degree programs, whether in the one-year or research track, will be full-time students, unless specifically approved to be part-time. The one-year master's program is more classroom intensive and does not involve the conduct of original research. The research master of science degree program includes advanced courses and requires writing a thesis based upon the results of original research. The time required to conduct original research necessitates this track to at least two-years.

Master of Science in Biomedical Sciences (One-Year Track)

Standard Curriculum

Fall Semester

- BIOS 501 Gross Anatomy and Embryology I (3)
- BIOS 503 Cell Biology and Histology (3)
- BIOS 505 Human Physiology I (3)
- BIOS 509 Introduction to Epidemiology (3)
- BIOS 513 Biochemistry (3)
- BIOS 515 Scientific Communications (1)

Spring Semester

- BIOS 502 Gross Anatomy and Embryology II (3)
- BIOS 506 Human Physiology II (3)
- BIOS 507 Neuroscience (3)
- BIOS 508 Human Genetics (3)
- BIOS 510 Introduction to Research Methodology (2)
- BIOS 514 Molecular Biology (3)

Summer Semester

- BIOS 571 Seminar/Mini-Thesis (3)
- BIOS 570 Synthesis/Comprehensive Exam (3)

Length of one-year program is approximately 11 months.

Master of Science in Biomedical Sciences (Research Track) **(Approximately Two Years)**

Students in the research program will take an individualized curriculum based on their entering backgrounds and goals. Example curriculum noted below:

Fall Semester (first year)

BIOS 513 Biochemistry (3)
BIOS 505 Human Physiology I (3)
BIOS 509 Introduction to Epidemiology (3)
BIOS 515 Scientific Communications (1)
BIOS 580 Research Project (3)

Spring Semester (first year)

BIOS 508 Human Genetics (3)
BIOS 506 Human Physiology II (3)
BIOS 514 Molecular Biology (3)
BIOS 580 Research Project (3)
BIOS 520 Seminar I (1)

Summer Semester (first year)

BIOS 511 Advanced Research Ethics (1)
BIOS 580 Research Project (5)

Fall Semester (second year)

BIOS 512 Adv. Tech Biochem and Molecular Biology(3)
BIOS 580 Research Project (9)

Spring Semester (second year)

BIOS xxx Bioscience Elective (3)
BIOS 580 Research Project (8)
BIOS 521 Seminar II (1)

Summer Semester (second year)

BIOS 522 Seminar III (1)
BIOS 590 Thesis Dissertation (6)

Length of the Research Track is about 24 months. (This may vary depending on the time needed to complete an original research project, i.e., collect enough data for a thesis dissertation.)

The curriculum for each student in the research track will be determined in consultation with the student and a graduate advisory committee composed of three faculty members, at least one of whom should be affiliated with another university. The

director of the student's research project will be a member of the committee and serves as the student's academic adviser, as appointed by the Dean of the College of Biosciences. The graduate advisory committee must approve any changes to the originally approved curriculum. The thesis must be successfully defended before the graduate advisory committee to fulfill the requirements for the degree.

Biomedical Sciences Course Descriptions

BIOS 501/502 – Gross Anatomy and Embryology I & II

These courses will emphasize gross and embryological aspects of cells, tissues and organ systems of the human body with a concentration on a detailed analysis of the structures and development of each body system. This course will present essential knowledge in a comprehensible, organized manner by emphasizing the relationships between structures, functions and clinical situations. Along with discussion of the structure of the body are included both medical implications and brief, general statements of function.

3 semester credits (per course)

BIOS 503 – Cell Biology and Histology

This course will emphasize cellular structure and function and the functional anatomy of tissues. Emphasis will be placed on the eukaryotic cell and its components, including cell membranes (plasmalemma as well as organelle membranes) and membrane proteins, the chemical nature of DNA and the mechanism of gene expression, cell interactions (including ligands and receptors), cell secretion and cell division. Cellular interactions that give rise to various tissues will be examined and the specific histological characteristics of each of the major systems will be examined at the cellular and ultramicroscopic level.

3 semester credits

BIOS 505/506 – Human Physiology I & II

These courses will use lectures, discussions, on-line activities and assignments, and on-line laboratories to provide an in-depth understanding of human physiology. Topics covered will include the functioning of the following body systems: neural, musculoskeletal, cardiovascular, respiratory, renal, gastrointestinal, endocrine and reproductive. The course will examine how various physiological systems interact to maintain homeostasis. Disease states will be used to illustrate how physiological imbalances may cause or be caused by disease.

3 semester credits (per course)

BIOS 507 – Neuroscience: Cognition and Behavior

This course will cover cognitive and behavioral psychology and neuroscience. Topics will include the emerging understanding of brain structure and function as it relates to memory, emotions, motivation, decision-making and other activities; the development of

the brain from fetus to adulthood; and the use of neuroimaging techniques in identifying functions of different areas of the brain.

3 semester credits

BIOS 508 – Human Genetics

This course will provide an in-depth study of heredity principles and genome variation in humans, especially in relation to disease. Topics will include single-gene disorders, multifactorial traits, mitochondrial genetics, pedigree analysis, chromosome structure, chromosomal disorders, population genetics and the human genome project.

3 semester credits

BIOS 509 – Introduction to Epidemiology

This course will introduce students to epidemiology and applied biostatistics, as well as the basics of scientific writing and presentations.

3 semester credits

BIOS 510 – Introduction to Research Methodology

This course will introduce students to basic tools used in laboratory research in the biomedical sciences. Topics will include research design and ethics, and laboratory exercises in genomic and proteomic techniques.

2 semester credits

BIOS 511 – Advanced Research Ethics

This course explores important ethical issues concerning biomedical research. The course encompasses both lecture and a web-based online tutorial, the CITI Course for Responsible Conduct for Research.

1 semester credit

BIOS 513 – Biochemistry

This course provides students with a foundation of information regarding the basic principles associated with biochemistry. Topics covered include properties of aqueous solutions, thermodynamics, protein structure, mechanisms of enzyme action and intermediary metabolism.

3 semester credits

BIOS 514 – Molecular Biology

This course provides students with a foundation regarding the basic principles of molecular biology. Topics covered will include basic molecular genetic mechanisms, internal organization and regulation of the cell, and cell function within tissues and organisms.

3 semester credits

BIOS 515 – Scientific Communication

This course is designed for students in the research track of the master of science in biomedical sciences program and covers the core techniques involved in scientific writing as well as oral presentations of scientific information. It also offers students the instruction and practice required to become proficient in presenting data to the public. Several biomedical research methodologies will be discussed to provide a broad background into the scientific community. This course will also help students develop the skills needed for critical thinking, intelligently critique and evaluate published scientific work. Graded S/U.

1 semester credit

BIOS 520/521/522 – Research Seminar Series I, II & III

This seminar series is designed for students enrolled in the research track of the master of science in biomedical sciences program. Students will give formal oral presentations of the research conducted for their master's degree, which will be published in each student's thesis. The presentation will be made to the members of the students' graduate advisory committee and other invited audience members (e.g. students and faculty). The final seminar presentation (BIOS 522) will serve as a "thesis defense" for purposes of meeting the requirements for the M.S. degree. Graded S/U.

1 semester credit

BIOS 570 – Synthesis/Comprehensive Exam

This course will provide integration, synthesis and review of the biosciences content covered in the master of science in biomedical sciences one-year track. Content will be provided in both didactic and online formats. There will be a comprehensive examination at the end of the course. Graded S/U.

3 semester credits

BIOS 571 – Seminar/Mini-Thesis

This course will consist of each student preparing a mini-thesis of approximately 25 pages on a current research topic in the biomedical sciences and presenting a seminar on the topic. In addition, each student will be required to attend the seminar presentation of the other students in the class. Graded S/U.

3 semester credits

BIOS 580 – Research Project

Students engage in an original research project as approved and supervised by the student's research advisory committee. May be repeated for credit up to a maximum of 45 credit hours. Graded S/U.

3-9 semester credits (variable)

BIOS 590 – Thesis Dissertation

Each student will write and defend a research thesis. The thesis will be based on original research. Graded S/U.

6 semester credits

Master of Arts in Bioethics Overview

KCUMB offers Kansas City's only graduate-level degree in bioethics. The bioethics program, which started in 2007, provides students with a broad orientation to the interdisciplinary field of bioethics, attending to both philosophical and religious ethics as well as contributions from the social sciences and medicine. Students must complete 30 semester hours of course work.

The final course in the degree program, the final project, allows students to pursue a bioethics question of special interest. This final project may take the form of either a traditional master's thesis or a non-traditional project, such as the creation of a bioethics educational curriculum for in-service training of health-care providers. It is intended as a directed study in which the student works under the direction of a faculty member to make a significant contribution to bioethics. After completion of the project, the student presents their project in a conference with the KCUMB bioethics faculty and selected student peers.

While insuring that students have a solid foundation in bioethics, the bioethics program encourages critical creative thinking, collaborative work with other students and faculty, and innovative approaches to bioethics problems.

Although the requirements are identical for all students in the master of arts in bioethics program, there are three distinct tracks for completion of the degree:

- Dual degree with the osteopathic medicine program (D.O./M.A.)
- One-year track (full-time)*
- Career enhancement track (part-time)

** Special Note: Students accepted into the one-year bioethics degree program are expected to maintain full-time status in the fall and spring semesters and no less than half-time status in the summer semesters, unless otherwise approved by the Dean of the College of Biosciences and the Executive Vice President for Institutional Development, Executive Dean, Graduate Studies.*

Master of Arts in Bioethics (One-Year Track)

Standard Curriculum

Summer Semester

BETH 510 Selected Topics (3)

Fall Semester

BETH 501 History and Methodology for Bioethics (3)

BETH 502 Introduction to Bioethics (3)

BETH 503 Religious Perspectives and Bioethics (3)

BETH 504 Diversity, Culture and Bioethics (3)*

– or –

BETH xxx Elective (3)

Students are strongly encouraged to submit their Final Project Proposal (FPP) to their bioethics adviser prior to the conclusion of the fall term.

Spring Semester

BETH 504 Diversity, Culture and Bioethics (3)*

– or –

BETH xxx Elective (3)

BETH 505 Bioethics at the Margins (3)

BETH 508 Clinical Topics in Bioethics (3)

BETH xxx Elective

Summer Semester

BETH 550 Bioethics Final Project (3)

** Special Note: BETH 504 is a required course and will be offered either in the fall or spring semester depending upon scheduling availability.*

Additionally, students in the one-year bioethics degree track are required to submit their Final Project Proposal (FPP) form to their bioethics adviser at least eight weeks prior to enrolling in BETH 550: Bioethics Final Project. Failure to submit the FPP in the appropriate timeframe will result in a hold being placed on the student's academic record, which not only prevents registration and the ability to secure a transcript, but can also delay graduation and/or prevent admission into the COM program.

This track is approximately 12 months in length and is especially designed for students who expect to continue their education by pursuing a D.O., M.D., J.D. or Ph.D. in the future. Today some of the most critical challenges in medicine are ethical issues. These ethical issues include questions about stem cell research, genetic engineering, end-of-life care, health-care equity and public policy, the “globalization” of medical practice and the relationship between environmental quality and human health. It is crucial that persons especially trained in bioethics provide leadership for addressing these vital ethical issues. This track will prepare students to integrate their bioethics degree with another professional or academic degree in order to provide the critical leadership needed for addressing these social and ethical issues.

Master of Arts in Bioethics (Dual-Degree Track)

Fall Semester (MSI)

IDIS 110 Ethics for Physicians (1)*

Spring Semester (MSI)

BETH 506 Exploring the Foundations of Bioethics (2)*

Summer Semester (MSI)

BETH 501 History and Methodology in Bioethics (3)

BETH 504 Diversity, Culture and Bioethics (3)

Fall Semester (MSII)

BETH 503 Religious Perspective on Bioethics (3)

Spring Semester (MSII)

BETH 505 Bioethics at the Margins (3)

Summer Semester (MSII)

BETH xxx Elective (3)

BETH xxx Elective (3)

Fall Semester (MSIII)

BETH 507 Clinical Dilemmas Seminar (3)

Spring Semester (MSIII)

BETH xxx Elective (3)

Fall and/or Spring Semester (MSIV)

BETH 550 Bioethics Final Project

The dual-degree track is approximately 44 months in length and is designed for KCUMB medical students who decide to pursue a joint master's degree in bioethics. Since dual degree students are not required to remain in Kansas City for their third- and fourth-year clerkships, some of their course work is delivered online. This degree is especially designed for students who want to provide leadership as physicians in helping to address the plethora of complex ethical issues confronting medicine today. With the joint degree, graduates should be especially well placed to provide bioethical leadership on hospital ethics committees, among their physician peers and in the local community. This degree should also help student be more competitive when applying for residencies or fellowships after obtaining their medical degree.

** Special Note: Dual degree students who are simultaneously completing the D.O. program and M.A. in bioethics program may substitute a combination of IDIS 110: Ethics for Physicians and BETH 506: Exploring the Foundations of Bioethics in lieu of the required course, BETH 502: Introduction to Bioethics. However, dual degree bioethics students who choose this option may not use IDIS 110 to partially fulfill their 4 semester elective requirement in the D.O. program.*

Master of Arts in Bioethics (Career Enhancement Track)

This track is designed for health-care professionals – physicians, nurses, social workers, attorneys, chaplains, medical technicians, etc., who have developed an interest in bioethics professionally and would like to pursue master’s-level training in bioethics. These students may pursue the master’s degree on a part-time basis, although the expectation is that the degree will be completed by five years. There is no required order of courses for completion of the bioethics degree. Therefore, career enhancement students may take the required and elective courses in the order that works best for their individual schedules.

Bioethics Course Descriptions

BETH 501 – History and Methodology for Bioethics

This course establishes the philosophical foundations for bioethics. The course begins with a survey of key historical figures, such as Plato, Aristotle, Kant and Mill, as well as several representative 20th century figures, such as Rawls and Nussbaum. Connections between these philosophers and current issues in bioethics are identified and explored along the way. The course also examines different methods of ethical reasoning, such as deontology, teleology, casuistry, aretology and narrative approaches.

3 semester credits

BETH 502 – Introduction to Bioethics

This course provides an overview of the major areas of bioethics. Participants gain familiarity with the terminology, resources and major frameworks of ethical analysis involved in the field of bioethics. Issues that are examined and analyzed include problem-solving methods, the theory and practice of informed consent, end-of-life decision-making, physician-assisted death, pediatric ethical dilemmas, resource allocation and problems posed by managed care, research ethics and organ transplantation. Extensive use of case discussion and analysis assist learners in developing and enhancing problem-solving skills.

3 semester credits

BETH 503 – Religious Perspectives and Bioethics

This course helps students gain an understanding and appreciation of different world religions through their ethical systems. It begins by introducing students to selected world religions, their beliefs, theologies and philosophies of life. The course continues with an examination of the religions' ethical systems, focusing especially on bioethics. The course usually examines Hinduism, Buddhism, Confucianism, Judaism, Christianity and Islam.

3 semester credits

BETH 504 – Diversity, Culture and Bioethics

This required course examines the challenge of diverse cultural perspectives and their influence on bioethics. The course focuses on social differences, such as gender, sexuality, ethnicity and class, and considers the role of complex social contexts in the formation of values. Students explore social construction of identity, embodiment and community in relating to bioethics and issues related to reproduction, disease and normalcy.

3 semester credits

BETH 505 – Bioethics at the Margins

This course explores issues of ethical and just treatment of groups marginalized by society, including the mentally ill, the differently able, the poor, homeless and others. The course will also explore the ethical and public policy issues in the American health-care system, which left more than 40 million Americans with no health-care coverage in 2003.

3 semester credits

BETH 506 – Exploring the Foundations of Bioethics

This course is designed specifically for the dual-degree bioethics program and will enable students to develop a basic, foundational knowledge and competency in bioethics. Students will learn about the core issues in bioethics as well as its frameworks, methods and resources.

3 semester credits

BETH 507 – Clinical Dilemmas Seminar

This course is designed for dual-degree student in their third-year of clerkships and is offered online. The course helps students develop a bioethics specialization in clinical ethics. It prepares students to serve on hospital ethics committees and to provide formal or informal ethics consultation in clinical settings. Extensive use of case discussion and analysis will assist learners in developing and enhancing ethical problem solving skills. Students may not earn credit for both BETH 507 and 508.

3 semester credits

BETH 508 – Clinical Topics in Bioethics

This course enables students to develop a clinical specialization in Bioethics. It prepares them to serve on hospital ethics committees and to provide formal and informal ethics consultations in hospitals and other clinical settings. One important component of the course is contextualized learning and observation in clinical externships at Kansas City hospitals and other health-care facilities. Students may not earn credit for both BETH 508 and 507.

3 semester credits

BETH 509 – Independence Study: Core Replacement

This independent study opportunity enables students to complete one of the required courses at a time when it is not being offered as a group class.

3 semester credits

BETH 510 – Selected Topics (E)

Prerequisite: Permission of department chair

This elective course explores various topics and issues in bioethics as identified by the Bioethics Department. May be repeated for credit with different topics up to a maximum of 12 semester hours.

BETH 511 – Bioethics and Globalization (E)

This elective course explores global health care and emerging bioethical issues. It begins with a comparative survey of different national health-care plans, examining a range of approaches from universal coverage to laissez-faire approaches. It will also explore the challenge of providing healthcare in areas of severe poverty, focusing especially on conditions such as hunger and malnutrition, malaria and HIV/AIDS. Finally, the course will explore the internationalization of health care, including topics such as “medical tourism” and the increasing use of off-shore medical service.

3 semester credits

BETH 512 – Environmental Quality, Human Health and Bioethics (E)

There is increasing evidence that a malicious inter-relationship exists between environmental problems and human health. Reports of the relationship between the release of industrial chemicals into the environment and rapidly increasing child development problems are an illustration of this emerging problem. The interplay between environmental problems and human health raises new issues and new challenges for bioethics. This elective course will explore these new dimensions of bioethics and their implications for medicine, health care and public policy. Course requirements will include a final research paper.

3 semester credits

Beth 515 – Bioethics and the Law (E)

This course explores the relationship between bioethics and the law. Following a brief historical review of bioethics and the legal system, a selected number of seminal legal cases will form the basis for discussion. Selected cases will strategically touch upon reproduction, end-of-life care, doctor-patient relationships, standards of care, new technologies, and death and transplantation. This course will also explore research ethics as another form of regulation.

3 semester credits

BETH 517 – Passive Ethics: Suffering, Futility and Death (E)

Most traditional discourse regarding ethics deals with the discussion and adjudication of the actions taken by an individual. This course will focus upon the individual or group that is “acted upon” by those who make decisions and take actions. In particular, the course will look at the meaning of suffering by investigating how it has been defined and how it impacts medical decision making. This course will also use a variety of methods to understand how conflict develops when either physicians or families declare that care is “futile.” Finally, it will pay close attention to decision making when death is imminent.

3 semester credits

BETH 529 – Independent Study (E)

This independent study provides an opportunity for students to pursue an area of specialized interest in bioethics with an instructor who has expertise in that particular area. An independent study required permission by the bioethics program director. May be repeated for credit under different topics to a maximum of 6 credits.

1-3 semester credits

BETH 550 – Bioethics Final Project

Prerequisite: Approval of Final Project Proposal form and permission of instructor.

This course provides an opportunity for students to design a research project under the direction of a faculty member. It culminates in the presentation and defense of the project before the bioethics faculty and selected student peers.

3 semester credits