

Western University of Health Sciences

Graduate College of Biomedical Sciences

Master of Science in Medical Sciences (MSMS)

2015/2016 Catalog

Table of Contents

Graduate College of Biomedical Sciences.....	4
Accreditation.....	4
Complaints Regarding WASC Accreditation Standards.....	4
General Information	4
Vision.....	4
Mission.....	4
Program Overview	4
Program Faculty	4
Program Goal	5
Admissions Policies and Procedures.....	6
Non-Discrimination Policy.....	6
Admissions Requirements.....	6
Admission Prerequisites.....	7
Application Process.....	8
Application Timeline	8
Applicants with Foreign Coursework.....	8
International Students	8
Transfer Credit	8
Registration.....	10
Registration Late Fee Appeals.....	10
Student Health Insurance Requirement	10
New Student Orientation/Welcome Week.....	10
Student Initiated Changes in Enrollment Status.....	10
Full-Time/Part-Time Status	11
Time Limits	11
Tuition and Fees.....	12
Other Fees and Expenses	12
Financial Aid and Program Scholarships	12
Graduate College of Biomedical Sciences Dean’s Scholarship	12
General Academic Policies and Procedures.....	14
Attendance and Participation	14

Director and Academic Advisor Assignment & Duties.....	14
Research Requirements	15
Issues/Dispute Resolution Procedure	15
Standards of Academic and Professional Conduct	16
Academic Integrity	16
GCBS Honor Code.....	16
MSMS Professional Dress and Behavior	16
Respect.....	16
Accountability	16
Excellence.....	17
Violations	17
Standards of Academic Progress.....	18
Student Performance Committee.....	18
Graduation	18
Adverse Actions	19
Evaluation and Grading.....	23
Master of Science in Medical Sciences (MSMS) Program Learning Outcomes	23
Grading Scale	24
Audit.....	24
Missing Grades.....	24
Incomplete	24
Grade Reports	24
Grade Appeals Process.....	25
Credit Hour Calculation.....	25
Curriculum Organization.....	26
Course Descriptions	27
Honors and Awards.....	31
Academic Calendar	32

Graduate College of Biomedical Sciences

Master of Science in Medical Sciences (MSMS)

Accreditation

Western University of Health Sciences is accredited by the Senior College and University Commission of the Western Association of Schools and Colleges (WASC). WASC's statement of accreditation status can be found at: <http://www.wascsenior.org/institutions/western-university-health-sciences>. You may contact WASC at 985 Atlantic Avenue, Suite 100, Alameda, CA 94501. Phone: (310) 748-9001, Fax: (310) 748-9797, E-mail: wascsr@wascsenior.org. WASC is a non-profit organization that evaluates the quality and educational effectiveness of schools, colleges, and universities. WASC is one of six regional accreditation agencies in the United States. While it is not officially regulated by the government, it is regularly reviewed by the US Department of Education and the Council for Higher Education Accreditation.

Please refer to the specific college sections of this catalog for further information on program and professional accreditations.

Complaints Regarding WASC Accreditation Standards

Western University of Health Sciences is committed to meeting and exceeding the standards for accreditation of colleges and universities as described by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges (WASC). It is the policy of Western University of Health Sciences that a student, employee, or other constituent of the University that believes that they University may not be in compliance with the standards of accreditation has a right to file a complaint can view the complaint submission process at: <http://www.wascsenior.org/comments>.

General Information

Vision

The MSMS program is designed to assist individuals from diverse backgrounds in gaining acceptance to professional schools with the ultimate goal of increasing the number of health-professionals in underserved areas.

Mission

The mission of the MSMS program at Western University of Health Sciences is to prepare students for health-related professional school by educating them in the knowledge, critical evaluation skills, and research awareness that allows them to become well-informed, evidence-based professionals.

Program Overview

A minimum of 46.50 semester credit hours is required for completion of the MSMS program. This includes didactic study, clinical shadowing, research, and laboratory work leading to a thesis. The program emphasizes integration of biomedical sciences and research-based knowledge in clinical decision-making. Courses, laboratory experiences, and research will serve to provide students with the skills required to integrate scientific knowledge, literature evaluation and clinical decision making, and will culminate in a capstone course, assessed by final project and poster presentation.

Program Faculty

Program faculty have appointments in the Colleges of Biomedical Sciences, Osteopathic Medicine of the Pacific, Veterinary Medicine, Pharmacy, Dental Medicine, and College of Allied Health Professions, as

well as accredited outside institutions of postsecondary education. Their areas of research emphasis include molecular biology, microbiology, biochemistry, immunology, neuroscience, anatomy, physiology and education.

Program Goal

The Master of Science in Medical Sciences (MSMS) in the Graduate College of Biomedical Sciences (GCBS) will equip graduates with the critical evaluation skills necessary to implement evidence-based clinical practice and prepare qualified pre-health professional students, who have obtained a baccalaureate degree, for successful application to professional programs, both external and internal, in a unique, rigorous, and inter-professional environment.

Admissions Policies and Procedures

Non-Discrimination Policy

In accordance with all applicable federal, state and local laws, Western University of Health Sciences (WesternU) is committed to ensuring a campus community free from unlawful discrimination. Accordingly, Western prohibits unlawful discrimination on the basis of race, color, national or ethnic origin, religion or religious creed, sex or gender (including gender identity or expression), marital status, sexual orientation, disability, age, genetic information, military or veteran status, or any other characteristic protected under applicable law, in the administration of its programs or activities. WesternU also prohibits unlawful harassment, including Sexual Harassment. Lastly, WesternU is committed to providing equal access to and equal opportunities to all members of its campus community in accordance with all applicable laws.

This non-discrimination policy applies to applicants, students and alumni. Additional nondiscrimination information can be found in the Nondiscrimination, Anti-Harassment and Anti-Retaliation Policy, located in the University Catalog.

Admissions Requirements

The application requirements shown in this catalog apply to applicants who are seeking entry for the 2016/2017 academic year. Current admission and application requirements for the MSMS program, including prerequisite coursework requirements, can be located on the [Prospective Student website](#).

Applicants must possess a Bachelor of Science degree with strong science component. The minimum criteria to receive consideration for admission are listed below. Meeting these criteria, however, does not guarantee admission into the program.

- A completed Western University of Health Sciences Graduate Application form (including all supplemental information requested).
- Official transcripts of all coursework taken at institutions of higher education.
- Official test scores taken within the last three (3) years (please see chart below).

Professional Goal	Standardized Test	CAS (Optional)
Pre-Medical	MCAT	AACOMAS or AMCAS
Pre-Dental	DAT	AADSAS
Pre-Optometry	OAT	OPTOMCAS
Pre-Podiatry	MCAT	AACPMAS
Pre-Pharmacy	GRE (General) or PCAT	PHARMCAS
Pre-Physician Assistant	GRE (General)	CASPA
Pre-Physical Therapy	GRE (General)	PTCAS
Pre-MSNE (Graduate Nursing)	GRE (General)	NURSINGCAS

- Three letters of reference from individuals familiar with the applicant's scholarship, appropriateness for a health care profession, and research potential. One letter needs to be from a science faculty member.

- OPTIONAL: A copy of a verified centralized application which should not be more than 1 year old (please see chart above).

Admission Prerequisites

- A bachelor’s degree with a strong science component from a regionally accredited U.S. institution (exceptions will be made on a case-by-case basis or equivalent foreign institution).
- At least a 2.50 overall grade point average
- At least a 2.75 GPA overall in all prerequisite science courses

- Required Prerequisite Coursework*

Prerequisite	Units
General Chemistry (with Laboratory)	8 semester units/12 quarter units
Organic Chemistry (with Laboratory)	8 semester units/12 quarter units
Introductory Biology (with Laboratory)	8 semester units/12 quarter units
General Physics (with Laboratory)	8 semester units/12 quarter units
English**	6 semester units/9 quarter units
Behavioral Sciences	6 semester units/9 quarter units

**Pre-requisite courses must be completed at a regionally accredited U.S. institution (exceptions will be made on a case-by-case basis) or equivalent foreign institution. All coursework taken from non-U.S. institutions (including Canada) must be submitted to an [approved service](#) for evaluation. Prerequisite coursework must be completed with a grade of “C” or better. Prerequisite coursework must be designated for baccalaureate credit by the institution offering the courses and must be completed by May 15th in the year prior to matriculation. Advanced Placement (AP), College Level Examination Program (CLEP), Credit for Experiential Learning, Pass/No Pass, or Credit/No Credit courses cannot be used to satisfy any prerequisite courses other than English. Prerequisites cannot be waived or substituted.*

***Must be writing or composition course taken from the English department or a course that fulfills the GE writing requirement at the institution at which it was taken. Literature courses may be accepted if they include a writing component. May not be English as a Second Language (ESL) course. CLEP and AP credits are accepted as long as the course credits are class specific and specified on the transcript.*

- Additional courses that will enhance one’s application, such as upper division courses in molecular and cellular biology, genetics, immunology, anatomy, and physiology.

Besides a strong academic record, we are looking to accept students who demonstrate the ability to integrate and disseminate information, who have outstanding communication and interpersonal skills, and who demonstrate caring and empathy towards other people and experimental animals. We recommend applicants have a strong record of service to those from economically, educationally, and/or medically underserved backgrounds.

Application Process

Applications and detailed information on how to apply can be found on the [Prospective Student website](#). All applicants must submit the following directly to WesternU Admissions Office:

- WesternU- Master of Science in Medical Sciences online application
- Non-refundable \$50.00 application fee
- Official GRE/MCAT/DAT/OAT/PCAT (depending on professional school goal, see table above)
- TOEFL scores (for graduates of foreign universities)

- 3 letters of reference (one letter must be from a science professor)
- Official college transcripts **for all college and universities attended**.

Application Timeline

Applications open on September 15th of the year prior to entry. The priority application deadline is February 1st of the year of entry. Completed applications are reviewed on a rolling basis and early applications are strongly encouraged.

Applications received after February 1st of the year of entry will only be reviewed if there are spaces remaining in the MSMS program. The admissions process closes completely for an entry year on April 15th.

Applicants with Foreign Coursework

Applicants who wish to use coursework completed outside the United States must submit their transcripts for evaluation to a [Western University of Health Sciences Approved Service](#) at the candidate's expense. A course-by-course evaluation is required and all coursework must be designated as undergraduate, graduate or professional. Western University only honors evaluations from one of the above services. The official evaluation must be included with the supplemental application packet.

International Students

International students and any other applicants who are not U.S. citizens and who are living in the U.S. should be prepared to provide proof of legal U.S. residency at the time of interview. Proof of legal U.S. residency is required prior to any offer of acceptance. For more detailed information, please visit our web page for [International Students](#).

Transfer Credit

Ordinarily, transfer credit will not be accepted. Under extraordinary circumstances, the faculty of the MSMS program may allow up to 9 credit hours to transfer if the coursework has been completed within an accredited graduate or professional program and there is compelling reason provided for the transfer. In order to have a course transferred the student must provide the catalog description and course syllabus in order that the appropriate faculty can approve the course's subject equivalency. Once these materials have been submitted to the MSMS Director, they will be reviewed ordinarily within 10

working days, by appropriate faculty. A decision about equivalency and transferability will be made at that point. The Director will notify the student of the decision by email. Under no circumstances will credit be granted for coursework taken while enrolled as an undergraduate student.

Registration

All WesternU students are required to register by the registration deadlines specified by the University Registrar. Registration dates are posted on the [Registrar's Office website](#). Failure to register by the deadline may be grounds for administrative withdrawal. All students registering after the posted deadline will be assessed a \$30.00 per business day late fee.

Full tuition and fees and all prior debts must be paid in full on or by posted deadlines each academic year. Matriculation is subject to the satisfactory completion of all academic requirements and payment of all outstanding debts to the University. The receipt of a final transcript(s) from all colleges/universities attended and a physical examination with documentation of required immunizations (if applicable) prior to registration are additional requirements for incoming students.

Registration Late Fee Appeals

If you are assessed late fees for a registration period, you may submit an appeal to the Registrar. For additional information on the appeal process, please see 'Registration Late Fee Appeals' in the University Catalog, General Academic Policies and Procedures section.

Student Health Insurance Requirement

All full-time students at Western University of Health Sciences are required to have active health insurance while enrolled. All students are automatically assessed half of the entire year's insurance premium until they submit proof of coverage that meets the University's requirements; however, students are not automatically enrolled in the plan until the deadline to submit proof of coverage has passed for your program/year. For additional information on student health insurance requirements and/or waiving out of the student health insurance plan, please see 'Student Health Insurance Requirement' in the University Catalog, General Academic Policies and Procedures section.

New Student Orientation/Welcome Week

Attendance at all Welcome Week activities is mandatory for all incoming first-year students. For additional information on Welcome Week activities for the Graduate College of Biomedical Sciences, Master of Science in Medical Sciences program, please visit:

<http://www.westernu.edu/students/welcome-week/>.

Student Initiated Changes in Enrollment Status

Leave of Absence

A student may request a Leave of Absence (LOA) with the occurrence of a medical emergency or illness, personal issues, financial hardship, or military service. Students must be in good academic standing to be eligible for a Leave of Absence. For additional information on the University's Leave of Absence policy, please see 'Student Initiated Changes in Enrollment Status' in the University Catalog, General Academic Policies and Procedures section.

Withdrawal from University/Academic Program

Matriculation at the University is a privilege granted in consideration of specified levels of performance and of maintaining the established standards of scholarship and personal and professional conduct. The University reserves the right to require withdrawal at any time it deems necessary to safeguard its standards of scholarship, conduct and orderly operation. The student concedes this right by act of matriculation. For additional information on withdrawing from the MSMS program, please see 'Student

Initiated Changes in Enrollment Status' in the University Catalog, General Academic Policies and Procedures section.

Full-Time/Part-Time Status

All MSMS students enrolled in at least 8.00 credit hours are considered full-time students. Students enrolled in 6.00 – 7.99 units are considered three-quarter-time students. Student enrolled in 4.00 – 5.99 units are considered part-time students.

Time Limits

The Master of Science in Medical Sciences program is designed to be completed in one (1) year of full-time study. The requirements for the degree must be fulfilled within 1 year, 6 months from the date of matriculation to the program. Students who are unable to meet the 1 year, 6 month time limit for the MSMS program may be subject to administrative withdrawal.

Tuition and Fees

By action of the Board of Trustees, MSMS tuition and fees for the 2015-2016 academic year (subject to change) are as follows:

\$24,388.00	Annual Tuition
\$40.00	Student Body Fee

Other Fees and Expenses

\$70.00	Audience Response System Device
\$450.00	Remediation Fee
\$862.00	Textbooks and Supplies
\$75.00	Research Course Poster Printing
\$30.00	Registration Late Fee (Per Business Day)
\$350.00	Graduation Fee
\$470.00	Annual Parking Permit (Auto)
\$25.00	Parking Permit Replacement Fee
\$40.00	Locker Key Replacement Fee
\$10.00	Official Transcript (Each)
\$21.00	Rush Transcript, First Class Mail (Each)
\$25.00	Rush Transcript, Federal Express (Each)
\$10.00	Student ID Replacement Fee
\$TBD	Breakage Fee (Replacement Cost)

Financial Aid and Program Scholarships

A graduate education is more important than ever today, yet paying for one can be a challenge. The key to obtaining financial aid is to start the process early. Applicants should first look into grants, scholarships, and other student aids, which do not require repayment. Military and veteran benefits are other avenues to finance your education. Educational loans, whether from federal or private sources, can also help you achieve your goals. Please visit our [Prospective Student website](#) at for further information. The application process for the Dean of the Graduate of Biomedical Sciences Scholarship Program opens in October of each academic year. Those students who fill out applications and show both financial need and academic merit may be eligible for a partial tuition scholarship.

Graduate College of Biomedical Sciences Dean's Scholarship

Eligibility

Applicants must meet all of the following criteria:

1. Must be a Permanent Resident of the United States
2. Must be enrolled in the MSMS program
3. Must have at least a cumulative undergraduate college grade point average of 2.50 on a 4-point unweighted scale

Description of Funds

The recipient will receive a scholarship of approximately \$2,000 to \$15,000 to be applied to tuition expenses. Funds are provided by Western University of the Health Sciences and the Graduate College of Biomedical Sciences. Payments are credited to the student's account, half of the scholarship for each semester of the program ending in spring of the year the student is scheduled to graduate.

Responsibilities of Recipients

The Recipient must be actively enrolled full-time as in the MSMS program and for the entire academic year without interruption, barring illness, emergency, or military service.

Selection Process

Students must complete a scholarship application which is made available either from the student's initial supplemental application materials or via a questionnaire completed after matriculation. The Scholarship Committee will consider the following characteristics to determine the scholarship eligibility and amount:

- Disadvantaged status
- Financial need
- Academic achievement and records
- School and community activities and leadership

Deadlines for Dean's Scholarship Applications will be announced after October 1st. A student's level of need is determined by a careful evaluation of detailed financial information provided by the applicant and the applicant's parents. If applicant's parents are separated or divorced, the financial information is required from both parents (including income and assets of new spouses, if they have remarried.) All financial data is documented with official copies of U.S. individual income tax returns of the applicant and the applicant's parents. The Dean's Scholarship is non-renewable. All decisions of the selection committee are final and are not subject to appeal.

General Academic Policies and Procedures

Attendance and Participation

Students will come prepared and adhere to established times for classes, assessments, laboratories, rotations and meetings. Student attendance is required at all scheduled instructional periods. Absence from instructional periods for any reason does not relieve students from responsibility for the material covered during the periods missed. In order to receive an excused absence for instructional sessions, exams and assignments, it must be due to medical and emergency grounds. Students will provide to the Director no later than the day of the assignment or exam, a physician's note or other document that may be required.

Three or more unexcused absences will be viewed as violations of the Standards of Academic and Professional Conduct, will be noted in the student's Academic Progress Portal (APP) record, and will be grounds for a meeting with the Student Performance Committee (SPC). Consequences of this meeting may include placing the student on conduct probation or conduct suspension. If a student is reported as having arrived late to a class three times without an excuse, a note will be made in their APP indicating their lack of promptness. Additionally, students with more than six unexcused tardies will be viewed in violation of the Standards of Academic and Professional Conduct, and will be called for a meeting with the SPC. Consequences of this meeting could include placing the student on conduct probation or conduct suspension.

Vacation and Emergencies

Students receive three weeks' vacation each year; two weeks over the Winter Break and one week for Spring Break. Students may not expect to take more time than this and may not leave early or return late from the break. Vacations are not provided during academic semesters.

Under special circumstances (i.e. interviews), a student may arrange a brief 1-3 days off at the discretion of the Director and GCBS Dean. It is the Dean's and program director prerogative whether to grant the time off and it is not guaranteed. Students should not enter the program with the expectation of taking time off for other pursuits (i.e. leaving the country, hobbies, etc.) Emergencies, including medical problems or serious personal/family issues, which result in less than 31 calendar days away from campus, may be granted upon approval by the program director, in conjunction with the Dean. Any missed course material is the responsibility of the student, and students may be required to complete alternative assignments, at the discretion of course faculty.

Students with emergencies resulting in 31 or more calendar days away from campus must apply in writing for a Leave of Absence to the Dean or his/her designee. For additional information on the University's Leave of Absence policy, please see 'Student Initiated Changes in Enrollment Status' in the University Catalog, General Academic Policies and Procedures section.

Director and Academic Advisor Assignment & Duties

The Director will act as academic progress and pre-professional advisor to all enrolled students, and as such advises enrolled MSMS students on graduate program and professional school applications and provides students with feedback on essays, choice of schools, timing of application and taking of MCAT, DAT and other standardized exams and pre-professional activities, including interviewing skills and shadowing. The Director will conduct workshops and programs for MSMS students on topics such as Interviewing, Writing a Personal Statement, Application Time Lines, Securing Letters of Evaluation, and

Standardized Test Preparation. The Director coordinates the information gathering and authoring of committee letters of recommendation, for students whose pre-professional applications require them.

Enrolled students will be assigned an academic advisor during the fall. The academic advisor-student relationship can become valuable throughout the MSMS program. It provides an opportunity to develop sustained individual contacts between faculty and students on both academic and person levels.

Research Requirements

MSMS candidates will choose a topic for their research project in consultation with the course director and/or the MSMS program director and will be expected to proficiently document their research via a poster and an oral presentation.

Issues/Dispute Resolution Procedure

When an issue or dispute arises between students, the issue/dispute resolution process starts with communication among the involved students. If a satisfactory resolution is not arrived at that level, the matter should then be addressed with the course instructor or the faculty advisor. If the problem is not resolved at the faculty advisor/course instructor level, the matter should be brought to the Program Director, followed by the Dean and then the Provost/COO. If the matter has not been resolved at those levels, the final arbiter is the President.

When an incident arises involving a faculty member, the first step in the issue/dispute resolution process is discussion with the faculty member. If the matter is not satisfactorily resolved at that level, then the matter should be referred to the Program Director, GCBS Dean, and Provost/COO, in that order. The final arbiter is the Board of Trustees.

When an incident arises involving a staff member, the dispute resolution process begins with the Program Director, followed by the GCBS Dean. The Office of Human Resources is the final arbiter.

Failure to follow this sequence of steps will only serve to delay the appropriate resolution of the issue or dispute as the matter will only be referred back to the correct level in this chain of responsibility.

Standards of Academic and Professional Conduct

Academic Integrity

Complete confidence in the honor and integrity of the researcher and pre-health professions student is essential. Such confidence depends entirely on the exemplary behavior of the individual in his/her relations with colleagues, faculty, and staff. Strict honesty as a personal way of life should be nurtured during the period of education for professional service. The student shall conduct all aspects of his/her life with honor and integrity. This includes accountability to oneself and to relationships with fellow students, future colleagues, faculty, and other individuals who contribute to his/her training and growth, and members of the general public. This applies to personal conduct that reflects on the student's honesty and integrity in both academic and non-academic settings, whether or not involving a University sponsored activity. Upon accepting admission to the University and program, each student subscribes to and pledges complete observance to the Standards of Academic and Professional Conduct as outlined in the University Catalog for each academic program. A violation of these standards is an abuse of the trust placed in every student and could lead to suspension or dismissal.

GCBS Honor Code

Honesty and integrity are among the most valued traits of academic researchers and health care professionals. Each student is expected to assume personal responsibility for those traits. Academic dishonesty includes cheating, plagiarism, using unauthorized resources during examination(s), sabotaging other students and mentors research as well as and signing another person's name to an attendance or examination document. Matters of academic dishonesty and professional misconduct will be handled consistently with the University's guidelines for Hearings involving alleged violations of the standards of professional conduct as described in the University's General Academic Policies and Procedures. Any individual who witnesses or becomes aware of a possible violation of the Honor Code is bound to report the incident. Staff or students must report the incident to a faculty member and faculty members must report the incident to the GCBS Dean.

MSMS Professional Dress and Behavior

Students are expected to dress in business casual attire (including a clean and pressed white coat when applicable) and act appropriately at all times, including lecture, lab, and on/off campus events. Students are expected to follow all rules established by faculty and preceptors in the classroom, during clinical skills labs, at rotation sites, and during College-sponsored events. Students will maintain a professional attitude/demeanor at all times when communicating as a graduate student. Violations of the MSMS Professional Dress and Behavior will be noted in the student's APP and will be grounds for a meeting with the SPC.

Respect

Students will show respect to their fellow classmates, the staff, the faculty, and other colleagues. Students will formulate constructive evaluation of others' performance and will communicate it in a professional manner. Students will use professional language at all times when communicating as a graduate student. Students will display sensitivity towards other cultures, races, religions, genders, and sexual orientations. Students will display a positive attitude when receiving constructive feedback. Students will strive to resolve conflict in a respectful manner.

Accountability

Students will acknowledge their limitations and seek help from an appropriate source when their knowledge, skills, abilities, or judgment are inadequate for the academic or professional circumstance.

Students will assume responsibility for their actions. Students will acknowledge academic priorities over professional and personal activities. Students will honor their commitments to others.

Excellence

Students will exhibit their best effort in all academic and professional activities and endeavors. Students will commit to continual self-assessment, development, and lifelong learning. Students will consult with faculty when professional or personal activities conflict with academic responsibilities and give due consideration to their recommendations. Students will contribute to an environment conducive to learning.

Violations

Upon receipt of an allegation of misconduct, the GCBS Dean will either address the matter directly or will appoint an *ad hoc* committee of the Faculty and student(s) of the program to investigate the allegation and forward a recommendation on a course of appropriate action to the GCBS Dean. Potential sanctions could include placing the student on probation; require the student to undertake specific remedial activities, suspension for a defined period of time, or dismissal from the program. Decisions of the Dean in matters of conduct may be appealed following the procedure outlined in the 'Student Appeal Process' section of the University Catalog.

Standards of Academic Progress

To be considered making satisfactory academic progress and to be considered in good academic standing, MSMS students:

- Will have an overall GPA of 2.50 or above.
- Will complete the coursework for degree in two semesters unless a leave of absence is granted or remediation of a course is required. If remediation is required, a student may have up to six (6) months additional time to complete their degree and be considered to be making satisfactory academic progress.
- At the time of semester evaluation of each student by the Graduate College of Biomedical Sciences Student Progress Committee, if a student is found not to be meeting satisfactory academic progress either because they fail to meet GPA requirements or time to degree limit is exceeded, the student may be subject to dismissal or administrative withdrawal.

Student Performance Committee

The Graduate College of Biomedical Sciences Student Performance Committee (SPC) is charged with the following responsibilities: (a) to review at the end of each term the academic achievement and comprehensive evidence of progress of all students who are pursuing the MSMS degree (particular attention will be given to students in academic difficulty as their grades are made available to the SPC by the Registrar and/or course faculty); and (b) to receive reports from the GCBS Dean regarding any student whose professional or personal conduct is deemed unsatisfactory. Appropriate professional and personal conduct is defined by the University's and College's Standards of Academic and Professional Conduct.

Graduation

A student will be recommended for the MSMS degree provided he/she:

1. Is not on probation or suspension and has completed all prescribed academic requirements with a cumulative grade point average of above 2.50 and has no outstanding grade of "I," "NCR," or "U".
2. Has demonstrated no serious deficiencies in ethical, professional, or personal conduct, as defined in University Catalog, "General Academic Policies and Procedures" section, which would make it inappropriate to award the degree of MSMS.
3. Has complied with all the legal, immunization, and financial requirements of the University as stated in the University Catalog.
4. Has attended in person and participated in the Commencement ceremony at which time the MSMS degree is conferred. Unless special permission has been granted by the Dean, each student must participate in their respective commencement ceremony. Requests for excusal will only be granted for extenuating circumstances, such as a prior military commitment.

Students may participate in commencement activities provided they will complete all requirements of the program by December 31st of that calendar year. No student will receive his or her degree until the

student has completed all requirements for graduation. Degrees will be dated as appropriate to completion date.

Adverse Actions

Probation

The Chair of the SPC will automatically place students on academic or conduct probation under the following circumstances:

- A student earns a failing (“U”) grade in any course. The student will remain on academic probation until the course is satisfactorily remediated.
- A student’s cumulative GPA is below 2.50 for at the end of any academic term in the MSMS program.
- Failure to perform in a professional manner.
- Serious deficiencies in ethical or personal conduct.

The GCBS Dean will notify the student in writing of the action. When a student has been placed on probation, the following outcomes will result:

- The student may not hold office in any University or College organization. Within 2 weeks of the date that the student receives notification of his/her probation, the student must meet with the following offices and fill out an Action Plan Form available from the Program Director:
 - The Learning Enhancement and Academic Development (LEAD) office staff to develop an action plan. The student must obtain a signature from the LEAD office documenting agreement on the action plan.
 - The student’s faculty advisor/program director to review the student’s proposed action plan. The student must obtain a signature from the faculty advisor/program director documenting the agreement on the action plan. The faculty advisor/program director will take a copy of the plan for the student’s file.

Students on probation will be given up to the time-limit of the program to raise their cumulative GPA to the required standard of 2.50 or above. Meeting the appropriate GPA and/or conduct requirements will result in the lifting of the probation status.

Financial Aid Warning Policy

If a student is not achieving satisfactory academic progress (SAP) they may be placed on “Financial Aid Warning” status for the next payment period and continue to receive Title IV aid for that period. Students who fail to make SAP by the end of that payment period lose Title IV aid eligibility.

It is the policy of the Financial Aid Office (FAO) that once a student has been placed on academic probation for not meeting SAP standards as defined by the college, the FAO will automatically place the student in a Financial Aid Warning status. During the next academic term if the student does not meet SAP standards and the college places the student on academic suspension the student will no longer be

eligible for financial aid. If the student appeals the academic suspension and the appeal is approved, financial aid will be reinstated. If the student is directed to audit courses those courses may not be covered by financial aid.

Tutorial Assistance Program

A Tutorial Assistance Program (TAP) has been established to assist students experiencing academic difficulty. Students will be recommended for this program by a faculty advisor or professor. Students may self-identify to TAP to receive assistance. The tutors will be chosen on the recommendation of the faculty in each discipline. Group tutoring is the methodology most used by the TAP department. For assistance, contact the Learning Enhancement and Academic Development Office (LEAD).

Remediation

The educational objectives that underlie remedial teaching and evaluation should be the same as the educational objectives that underlie regular courses in the curriculum. MSMS students, who receive a “U” or ‘NCR’ grade in a course or a cumulative GPA below a 2.50, will be reviewed by the SPC. Where deemed appropriate, the SPC, after consultation with the course instructor, course coordinator, and/or the GCBS Dean (or his/her designee) may recommend any one of the following options for remediation:

- Completion of a comprehensive examination.
- Completion of a series of exams.
- Repeating the course.

The score/grade achieved by remediation will be the score/grade recorded. The grade achieved by remediation will be re-recorded on the transcript next to the original grade.

If a student is directed to repeat a course, the grade for the repeated course will be recorded on the official transcript. Only the most recent grade received for a repeated course will be included in the student’s GPA calculation. Students will be charged full tuition for repeated coursework.

Recommendations regarding remediation will be made on an individual basis after considering all pertinent circumstances. The final decision will be made by the GCBS Dean, based upon the recommendation of the SPC. Course remediation by exam(s) will take place during the summer following the year in which the student failed the course. Remediation by repeating the course will take place at the time that the course is offered during the following academic year. All summer remediation exams will take place no sooner than June 15th and no later than August 1st of the following summer after the student has failed a course. Students who require remediation but are unavailable on the designated examination date will not be allowed to progress in the curriculum and will be placed on academic suspension. The grade earned upon remediation of the course, either by exam(s) or repeating the course, will replace the original course grade.

A student who is required to remediate a course must be notified in writing by the GCBS Dean (or his/her designee) at least 15 working days prior to the remediation date, or within 15 working days after the close of the academic year in which the student is presently enrolled, whichever comes first. Notification must either be sent by Certified Mail or hand-delivered to the student and must be acknowledged with the signatures of the GCBS Dean (or his/her designee) and the student.

Only students who have failed a course, or otherwise earned a “U” or “NCR” will be allowed to remediate a course. At no time will a student with a passing grade (C or better) be allowed to remediate a course.

Repeating Course(s) for GPA Improvement

Students will not generally be allowed to repeat any courses they have completed and passed (earned a grade of C or better). If, for some extenuating circumstance, the student feels it is necessary to do so, he/she must petition by memo or letter the SPC, and include a memo/letter of support from the faculty member who teaches/coordinates the course they propose to retake. If the SPC recommends approval of the petition and the GCBS Dean approves the petition, the student will be able to repeat a course.

The student will be responsible for paying tuition for the repeated course on a per unit basis calculated from the MSMS annual tuition for the year in which the student is repeating the course. The grade for the repeated course will be recorded on the transcript and does not replace the original grade received for the course. Only the most recent grade received for a repeated course will be included in the student’s GPA calculation. This policy does not apply to students who have graduated from the MSMS program.

Academic Suspension

The GCBS Dean will automatically place students on academic suspension when a student does not achieve the required cumulative GPA for their program for two consecutive academic terms. If a student fails to meet the academic action plan agreed upon by the student, the LEAD office, and their faculty advisor/program director they will be put on Academic Suspension. The SPC committee, after consultation with all pertinent college parties (faculty advisor/director and a LEAD office designee) must find that the student has not followed their action plan to be placed on Academic Suspension.

Students may also be placed on Academic Suspension if there is a period of non-enrollment caused by the need to repeat a failed course.

No student is eligible for Title IV, HEA programs if they are placed on Academic Suspension. Students on Academic Suspension are not registered as an active matriculant and should use this time to remediate for the deficiency for which the Academic Suspension was levied.

Dismissal

The University may require withdrawal at any time it deems necessary to safeguard its standards of scholarship, conduct, and orderly operation. A student will be permanently dismissed from the program if the student fails to accomplish course learning objectives and/or fails to achieve academic expectations even after granted the opportunity to repeat coursework. Any student permanently dismissed from the program is not eligible for Title IV, HEA programs. A student will be permanently dismissed when:

- A student earns a failing grade (“U” or “NCR”) in any course that the student has repeated
- A student earns more than two failing grades (“U” or “NCR”)
- A student fails to earn the program’s required cumulative GPA by the end of the first term of repeated coursework or no more than 2 semesters of enrollment following initial date academic probation takes place.

- A student currently repeating coursework due to sub-standard academic performance is found in violation of the College's Standards for Professional Conduct at a level that merits course failure or repeating the course.
- Failure to perform in a professional manner.
- Serious deficiencies in ethical or personal conduct.

Student Appeal Process

At the conclusion of each academic term, the SPC will review whether students have met the established criteria for progression in the curriculum. Recommendations by the SPC for repeat of the academic year or dismissal from the program are advisory to the GCBS Dean, who will make the final decision.

In the event that the SPC has made a preliminary determination to recommend an adverse action, such as dismissal or the repeat of an academic year, the student is offered an opportunity to meet in person with the SPC, prior to the Committee forwarding its final recommendation to the GCBS Dean. At such time, the student may present any information relative to the preliminary recommendation. The student may also be accompanied by a representative for support; however, the representative may not be an attorney. The SPC will have an opportunity to review the additional information, if presented, and will then make a final recommendation to the GCBS Dean.

In accordance with Western University of Health Sciences' policy, the GCBS Dean's decision may be appealed by the student to the Provost of Western University of Health Sciences. The Provost may convene an advisory panel, and the decision of the Provost is final. For additional information, please see the 'Student Appeal Process' section of the University Catalog.

Evaluation and Grading

Master of Science in Medical Sciences (MSMS) Program Learning Outcomes

Critical Thinking

- Graduates will demonstrate the knowledge necessary to critically interpret current research results in biomedical sciences.
- Students are able to critically assess their own study skills and strategies.

Interpersonal Communication Skills

- Graduates will demonstrate the ability to communicate in written form about current issues in biomedical sciences in a manner acceptable to peers, clinical professionals, and the general public.
- Graduates will demonstrate the ability to verbally communicate about current issues in biomedical sciences in a manner acceptable to peers, clinical professionals, and the general public.
- Graduates will effectively use interpersonal communication skills that enable them to establish and maintain relationships with others

Ethical and Moral Decision Making Skills

- Graduates will be able to perform all academic endeavors with integrity and honesty.
- Graduates will cite findings appropriately and only take credit for work that is their own.
- Graduates will exhibit compassion and reverence for life towards research subjects (both human and non-human) in the conduct and evaluation of biomedical research.

Breadth and Depth of Knowledge in Biomedical Sciences

- Graduates will possess a solid grounding in the scientific knowledge and methods to be applied throughout their careers.
- Graduates will demonstrate knowledge of scientific principles and methods.

Collaboration Skills

- Graduates will effectively collaborate with colleagues and staff in research, teaching, and clinical settings.

Grading Scale

Final course grades are given based upon the traditional 4-point letter system, as follows:

<u>Grade</u>	<u>Equivalent</u>	<u>GPA Points</u>
A	Outstanding	4.00
A-	Excellent	3.70
B+	Very Good	3.30
B	Good	3.00
B-	Above Average	2.70
C+	Satisfactory	2.30
C	Marginally Passing	2.00
U	Unsatisfactory	0.00
CR	Credit	N/A
NCR	No Credit	N/A

ADMINISTRATIVE GRADES

<u>Grade</u>	<u>Equivalent</u>	<u>GPA Points</u>
AU	Audit	N/A
I	Incomplete	N/A
W	Withdrawal	N/A
M	Missing	N/A

Audit

An "AU" (Audit) is assigned to a student who pays tuition for the course and attends class activities but does not complete examinations and does not receive course credit. However, under certain circumstances, at the discretion of the College Dean, a student who is repeating or undergoing remediation may be required to complete course examinations and/or other required work products while auditing the course for no grade.

Missing Grades

A grade of 'M' for Missing will be input by the Office of the Registrar if a student's grade is not available by the deadline for grade submission. An 'M' grade is not included in the GPA calculation and will be replaced by the grade earned in the course once submitted by the course director/instructor. 'M' grades should not be used by the program in place of an Incomplete (I) grade.

Incomplete

An Incomplete grade "I" will only be assigned to students whose health and/or personal responsibilities prevent him or her from completing the requirements of the course. A student may remove an incomplete by completing course requirements within 6 weeks after the end of the semester when the course took place, or the final grade will be permanently recorded as a "U". The instructor must certify any grade changes. The "I" grade will remain on the student's transcript, along with the final grade assigned by the instructor.

Grade Reports

Official grades are turned in to the Registrar by the Graduate College of Biomedical Sciences, at which time the online student records system, BanWeb, is updated. Official grade reports and unofficial

transcripts will be available on the BanWeb student records system throughout the academic year. No course grade will be changed unless the instructor certifies in writing that an error in computing or recording the grade has occurred or that the student has completed course requirements for an incomplete grade or remediated grade.

Grade Appeals Process

If a student believes there is just cause to dispute a grade for a course, the procedure is as follows: Within five (5) days of receipt of the course grade, the student must make an appointment with the course instructor(s) who issued the grade. Upon written request from the student, the course instructor(s) shall review the case with the student, and a decision shall be made by the course instructor to affirm or modify the grade. Within ten (10) working days of the student's written request, the course instructor shall notify the student in writing of the decision. If warranted a copy of the Grade Change Form shall be sent to the student and the MSMS Director.

Within five (5) working days following written notification to the student regarding the instructor's decision, the student may appeal the decision in writing to the Director. The appeal request must be accompanied by a narrative explaining the basis for the appeal. The narrative should fully explain the student's situation and substantiate the reason(s) for advocating a review of the prior decision of the instructor. The Director may grant an appeal only if a claim of (1) bias, (2) the appearance of new material and documentable evidence that was not available at the time of the instructor's decision, or (3) procedural error that unfairly affected the decision-making process is substantiated by the Director. Upon written request from the student with a valid appeal rationale, the Director shall review the case and within seven (10) working days shall issue a decision in writing to the student, which may affirm, modify, or reverse the previous action of the instructor.

The Director's decision is final in all course grade appeals except when the Director is the official instructor of the course in question. In such a case, the student will direct his or her appeal to the Dean, following the same guidelines for an appeal to the Director. The decision of the Dean in this instance is final.

Credit Hour Calculation

The Graduate College of Biomedical Sciences courses are rated at one credit hour for every 12 contact hours.

Curriculum Organization

To graduate, students must complete a minimum of 46.50 credit hours.

Fall Semester		
Subject/Course #	Course Title	Credit Hours
GCBS 5020	Critical Learning & Communication Skills in the Health Prof. I	3.00
GCBS 5021	Critical Learning & Communication Skills in the Health Prof. II	2.00
GCBS 5030	MSMS Intensive Summer Anatomy Course	8.50
GCBS 5041	Molecular and Cellular Basis of Life	5.00
GCBS 5042	Physical and Biochemical Systems	5.00
GCBS 5061	Intro to Clinical Research & Evidence-Based Decision Making	3.00
GCBS 5035	Head and Neck Anatomy OR	4.00
GCBS 5070	Research Service Learning	
Total Required Credit Hours:		30.50
Spring Semester		
Subject/Course #	Course Title	Credit Hours
GCBS 5062	Clinical Research & Evidence-Based Decision Making	3.00
GCBS 5079	Microbiology: Biological Systems in Human Disease	4.00
GCBS 5082	Clinician and Society	3.00
GCBS 5083	Clinical Environments in Health Care	3.00
GCBS 5090	Biomedical Statistics and Research Design	3.00
Total Required Credit Hours:		16.00

Course Descriptions

All courses are awarded letter grades, except when indicated otherwise.

GCBS 5020 Critical Learning and Communication Skills in the Health Professions I (3 credit hours)

The first part of a two trimester sequence intended to expose students to myriad techniques and approaches for being a successful graduate student and for becoming a life-long learner. Students will have the opportunity to study and apply practical techniques to maximize comprehension and retention of material, supporting theory for these techniques, and current scholarship in which these theories and techniques are discussed. In addition, students will explore myriad aspects of group performance. Beyond study skills, the course will emphasize numerous aspects of graduate-level education including the management of time and stress; increasing focus, concentration, motivation and memory; strategies for reading, note-taking, and studying; assessment of learning style; approaches to test-taking; effective and written and oral communication.

GCBS 5021 Critical Learning and Communication Skills in the Health Professions II (2 credit hours)

The second semester of a two trimester sequence intended to expose students to myriad techniques and approaches for being a successful graduate student and for becoming a life-long learner. Students will have the opportunity to study and apply practical techniques to maximize comprehension and retention of material, supporting theory for these techniques, and current scholarship in which these theories and techniques are discussed. In addition, students will explore myriad aspects of group performance. Beyond study skills, the course will emphasize numerous aspects of graduate-level education including the management of time and stress; increasing focus, concentration, motivation and memory; strategies for reading, note-taking, and studying; assessment of learning style; approaches to test-taking; effective and written and oral communication.

GCBS 5030 Intensive Summer Anatomy Course (MS-ISAC) (8.5 credit hours)

The Master of Science in Medical Sciences Intensive Summer Anatomy Course (ISAC) is an accelerated equivalent of the post-cranial portion of DO5030, given in 6.5 weeks. Material covered in this regional approach includes the shoulder and upper limb, thorax and its viscera, abdomen and its viscera, the pelvis, its viscera, the male and female perineum and lower limb. The objectives include the mastery of nomenclature and spatial relationships of human anatomical systems. It is expected that students will understand the anatomical portion of selected clinical correlations. Course consists of didactic and practical components, and includes dissection of human cadavers. Assessment is by means of written and laboratory practical examinations, as well as regular quizzes.

GCBS 5035: Head and Neck Anatomy with Facilitation Training (4 credit hours)

This course is an elective continuation of the intensive summer anatomy course open to students by permission of instructor only. Through lecture and laboratory, students are introduced to the anatomy of the head and neck. Particular attention is paid to the cranial nerves, both their normal function and the numerous clinical syndromes that affect them. At the end of this course, and with satisfactory completion of all dissections and assignments the instructor will select students who will be able to serve as facilitators for Head and Neck Anatomy (DO 5035). Facilitators participate in peer-led team learning (PLTL) and laboratory based experiential learning.

GCBS 5041 Molecular and Cellular Basis of Life (5 credit hours)

This course presents an integration of molecular biology, cellular physiology and metabolism in prokaryotes and eukaryotes as well as an introduction to host defense responses within the context of their clinical applications of basic biomedical sciences. Students will develop an understanding of the principles of molecular biology, including DNA replication and expression of genetic information. They will learn the basic concepts of cellular physiology and metabolism in both prokaryotes and eukaryotes and understand the major types of tissues/cells of the human body as well as the basic function of each tissue/cell type.

GCBS 5042 Physical and Biochemical Systems (5 credit hours)

The overall goal of this course is to introduce students to the most important concepts and principles of biological chemistry. Topics previously covered in earlier chemistry and biology courses will be expanded and placed in the context of the living organism. The key objective is to understand and be able to apply concepts rather than merely memorize information. Subject areas covered include: macromolecular structure, reactivity and function, thermodynamics, carbohydrate, lipid, amino acid metabolism and nucleotide metabolism, and metabolic interrelationships between organs and pathways. Students attending this course will develop an understanding of the principles of biological chemistry, including thermodynamics, kinetics and macromolecular structure, function and reactivity. They will learn the basic concepts of metabolism in human systems, in both health and disease and demonstrate skills in the interpretation of contemporary biochemical data on each of the major classes of biological macromolecules, as well as in the interpretation of clinical data relating to the understanding of the roles of biomolecules and the integration of metabolism.

GCBS 5061 Introduction to Clinical Research & Evidence-Based Decision Making (3 credit hours)

This course aims to introduce students to the conduct of basic, translational, and clinical biomedical scientific research. In addition participants will gain a broader understanding of research in the community and how to develop a research agenda from existing community based programs. This is an introduction to several key concepts, and students are not expected to have a deep mastery of statistics, research methodology, or online bibliographic databases prior to taking the course. Students attending this course will be introduced to research methods including the IRB process, ethics in research, lab safety, HIPPA and oral and written presentations. Students will be linked with mentors appropriate to their research interests and will develop a precise question in the research context.

GCBS 5062 Clinical Research & Evidence-Based Decision Making (3 credit hours)

Building on GCBS 5061, emphasis will be placed on training students to appropriately utilize and evaluate the biomedical literature across health professions. As a result, this course will prepare students to engage in evidence-based decision making, providing the skills needed to locate relevant online scientific/medical information as well as to evaluate the quality of the research methodologies and statistical analyses reported in the clinical research literature. The primary focus is from a clinical practitioner/researcher standpoint rather than that of a basic sciences researcher. Prerequisite for GCBS 5062 is GCBS 5061.

GCBS 5070 Research Service Learning (4 credit hours)

This course aims to enhance student confidence and understanding of the research underpinning that informs their future clinical practice. Additionally, it increases student capacity and confidence to utilize that understanding in the conduct of creative, problem-solving. Students will be placed with a faculty advisor to participate in the process of original inquiry. Learning through faculty-mentored investigation allows students to put in practice the scientific concepts they are learning in their didactic courses deepening their understanding of the basic medical sciences necessary for the practice of health care. Students are expected to devote at least 8-10 hours of their week in this process and should be expected to proficiently document their research via a final paper, annotated bibliography of the key research articles, and to be able discuss in an oral presentation proficiently the research results as well as the reasoning behind the inquiry and methodologies utilized in the research.

GCBS 5079 Microbiology: Biological Systems in Human Disease (4 credit hours)

This course presents an integration study on the basics of microbiology, including microbial structure, function, metabolism, genetics, and the relationship of microbes with the host and host-defense mechanisms. In addition, the major pathogenic microbes (bacteria, viruses, fungi, and protozoa) and the diseases they cause will be discussed. The students will be expected to learn basic and clinical lab techniques as well as their application in the identification of various microbes.

GCBS 5082 Clinician and Society (3 credit hours)

The Clinician and Society course will provide the pre-healthcare professional student with the opportunity to experience and begin to understand the multi-faceted and complex nature of the healthcare professions as they relate to society at large. The student will gain insight into the many social components that both influence and shape healthcare practice and the societal perspectives that influence how the healthcare practitioner is perceived by society. At the end of this course students will be able to describe the historical development of modern healthcare practice and the contributions of healthcare practitioners from antiquity to the present who made key contributions to the evolution of medicine and medical practice. Students will discuss the history of osteopathic medicine in the United States and the unique philosophical and practical contributions that Andrew Taylor Still made to medicine. The history of osteopathic medicine in California, as well as the history of podiatry, optometry, dentistry and veterinary medicine will be covered. Major elements of medical professionalism why it is critical in the practice of the health sciences will be emphasized through the course.

GCBS 5083 Clinical Environments in Health Care (3 credits hours)

This course provides a critical experiential learning opportunity for the Master of Science in Medical Sciences specifically placing the clinical provision of care in its broader context, integrating both theory and practice with reflection. It is a learning process through which the learner constructs knowledge, attitudes, skills, competencies and understanding through direct reflective experience. In short the course provides an opportunity for students to learn while doing. Students will meet with faculty and staff to arrange a clinical placement for the final semester of the program. Students are expected to shadow or intern in their placement for a minimum of 5 hours per week throughout the semester and to keep a reflective journal of their experiences. Students who participate in these opportunities tend to be more excited, enthusiastic and engaged in their studies, perform better in the classroom, and develop knowledge, skills and abilities that give them a strong competitive edge in obtaining graduate admission. Students in these activities develop both competence in the theory and practice of their discipline and confidence in their ability to function as future professionals.

GCBS 5090 Biomedical Statistics and Research (3 credit hours)

This course will cover various topics in descriptive and inferential statistics intended to introduce the student to the theoretical and practical aspects of statistics in research. Various topics will include central tendency, variability, hypothesis testing, multi-factorial analysis of variance, trend analysis, regression analysis and correlation.

Honors and Awards

The following awards are considered for presentation to MSMS students annually:

- Community Service Award
- Dean' List
- Dean's Scholarship
- Poster Presentation Honors
- Provost's Scholarship

Academic Calendar

Fall 2015	
June 1, 2015	Orientation/Fall Classes Begin
July 3, 2015	Independence Day Observed – No Classes
August 8, 2015	Convocation/White Coat Ceremony
September 7, 2015	Labor Day – No Classes
October 12, 2015	Columbus Day – No Classes
November 25, 2015	Thanksgiving Recess Begins @ 5:00 p.m.
November 30, 2015	Fall Classes Resume
December 18, 2015	Fall Classes End
December 21, 2015	Winter Recess Begins
Spring 2016	
January 4, 2016	Spring Classes Begin
January 18, 2016	Martin Luther King Day – No Classes
February 15, 2016	President’s Day – No Classes
March 21, 2016	Spring Break Begins
March 28, 2016	Spring Classes Resume
May 13, 2016	Spring Classes End
May 18-20, 2016	Commencement