Faculty of Engineering and Schulich School of Medicine & Dentistry

Amendments to the Admission and Progression Requirements of the Concurrent Degree Programs in Engineering and Medicine

Changes to the Engineering section of the Academic Calendar (there are no changes to the Medicine section of the Calendar):

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http://www.westerncalendar.uwo.ca/2013/pg1416.html

E. Biochemical Engineering and Medicine Option

Admission
Before entering the concurrent BESc/MD degree program, students must have completed the first three years of the Chemical Engineering program at Western, Option E: Biochemical Engineering and Medicine. In addition to applying for the concurrent degree program through the Office of the Associate Dean - Academic of the Faculty of Engineering, students must also make a separate application for admission into the MD program. ~~As part of the application process, students must write a letter to the Schulich School of Medicine & Dentistry (Admission Office) indicating their intent to proceed to the concurrent BESc/MD program.~~ ***In addition, the applicant must satisfy all current admissions requirements for the MD program at The Schulich School of Medicine and Dentistry.***

Admission Criteria
To be eligible for the concurrent degree program, students must have completed all the requirements of the first year curriculum in the Faculty of Engineering with a minimum year weighted average (YWA) of 80%, and the second and third year program of Option E (Biochemical Engineering and Medicine) in the Department of Chemical and Biochemical Engineering with a minimum year weighted average (YWA) of 80% in each year. In addition, the applicant must ~~meet the minimum performance standards in the MCAT and GPA, determined by the Schulich School of Medicine & Dentistry, and must be invited and attend a personal interview with the Schulich School of Medicine & Dentistry. A confidential assessment form, proficiency in English and Basic Life Support Training is also required~~. ***satisfy all current admissions requirements for the MD program at the Schulich School of Medicine and Dentistry.***

Entrance into the concurrent degree program is competitive and limited.

Admission Procedures
A student interested in the concurrent BESc/MD program will apply during the February registration period of the first common year of the Engineering program for admission to the Chemical Engineering program, Option E (Biochemical Engineering and Medicine). The student must write the MCAT before the third year of the Biochemical Engineering and Medicine program, for the following year's admission into the MD program. Students must apply to the MD program ~~by the deadline established (usually October) by~~ ***in accordance with*** the Ontario Medical School Application Service (OMSAS) during the third year of the ~~(Biochemical/Civil/Electrical/Integrated/Mechanical/Software)~~ ***Biochemical*** Engineering and Medicine program.
Admission to the BESc program does not guarantee admission to the MD program.

Note: This program is only open to Canadian citizens or permanent residents.

Progression Requirements
A student enrolled in the concurrent BESc/MD degree program must satisfy the following progression requirements:
Year 2: a minimum YWA of 80% in courses taken as a part of Option E (Biochemical Engineering and Medicine).
Year 3: a minimum YWA of 80% in courses taken as a part of Option E (Biochemical Engineering and Medicine).
Year 4: progression requirements of the MD program ***and successful completion of Engineering courses***.
Year 5: progression requirements of the MD program.
Year 6: progression requirements of the MD program.

Year 7: progression requirements of the MD program ~~and successful completion of Engineering courses~~.

If the student fails to satisfy the above conditions, he or she will be required to withdraw from the concurrent program and will be required to transfer out of Option E into Options B in the Chemical Engineering program.

Concurrent Degree Program

First Year Program
Common first year of Engineering.

Second Year Program
Applied Mathematics 2411, Chemistry 2213A/B and 2223B or CBE 2206A/B and 2207A/B, CBE 2214A/B, CBE 2220A/B, CBE 2221A/B, CBE 2224A/B, CBE 2290A/B, CBE 2291A/B, ES 2211F/G, Statistical Sciences 2143A/B, Business Administration 2299E.

Third Year Program
CBE 3301A/B, CBE 3310A/B, CBE 3315A/B, CBE 3317Y, CBE 3320A/B, CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, CBE 3325A/B, ECE 2208A/B, ES 4498F/G.

Fourth Year Program
Regular Year 1 of the MD program ***and CBE 4499***

Fifth Year Program
Regular Year 2 of the MD program.

Sixth Year Program
Regular Year 3 of the MD program

Seventh Year Program
Regular Year 4 of the MD program ~~less the Advanced Communication Skills course.~~
~~CBE 4499, Chemical Engineering Design for Medical Students (will count as an "elective" credit in the fourth year of the MD program).~~

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http://www.westerncalendar.uwo.ca/2013/pg1423.html

E. Civil Engineering and Medicine Option
Admission
Before entering the concurrent BESc/MD degree program, students must have completed the first three years of the Civil Engineering program at Western, Option E: Civil Engineering and Medicine. In addition to applying for the concurrent degree program through the Office of the Associate Dean - Academic of the Faculty of Engineering, students must also make a separate application for admission into the MD program. ~~As part of the application process, students must write a letter to the Schulich School of Medicine & Dentistry (Admission Office) indicating their intent to proceed to the concurrent BESc/MD program.~~ ***In addition, the applicant must satisfy all current admissions requirements for the MD program at the Schulich School of Medicine and Dentistry.***
Admission Criteria
To be eligible for the concurrent degree program, students must have completed all the requirements of the first year curriculum in the Faculty of Engineering with a minimum year weighted average (YWA) of 80%, and the second and third year program of Option E (Civil Engineering and Medicine) in the Department of Civil and Environmental Engineering with a minimum year weighted average (YWA) of 80% in each year. In addition, the applicant must ~~meet the minimum performance standards in the MCAT and GPA, determined by the Schulich School of Medicine & Dentistry, and must be invited and attend a personal interview with the Schulich School of Medicine & Dentistry. A confidential assessment form, proficiency in English and Basic Life Support Training is also required~~. ***satisfy all current admissions requirements for the MD program at the Schulich School of Medicine and Dentistry.***

Entrance into the concurrent degree program is competitive and limited.

Admission Procedures
A student interested in the concurrent BESc/MD program will apply during the February registration period of the first common year of the Engineering program for admission to the Civil Engineering program, Option E (Civil Engineering and Medicine). The student must write the MCAT before the third year of the Civil Engineering and Medicine program, for the following year's admission into the MD program. Students must apply to the MD program ~~by the deadline established (usually October) by~~ ***in accordance with*** the Ontario Medical School Application Service (OMSAS) during the third year of the ~~(Biochemical/Civil/Electrical/Integrated/Mechanical/Software)~~ ***Civil Engineering and Medicine program.***

Admission to the BESc portion of the program does not guarantee admission to the MD program.

Note: This program is only open to Canadian citizens or permanent residents.

Progression Requirements
A student enrolled in the concurrent BESc/MD degree program must satisfy the following progression requirements:
Year 2: a minimum YWA of 80% in courses taken as a part of Option E (Civil Engineering and Medicine).
Year 3: a minimum YWA of 80% in courses taken as a part of Option E (Civil Engineering and Medicine).
Year 4: progression requirements of the MD program ***and successful completion of Engineering courses***.
Year 5: progression requirements of the MD program.
Year 6: progression requirements of the MD program.
Year 7: progression requirements of the MD program ~~and successful completion of Engineering courses~~.
If the student fails to satisfy the conditions above, he or she will be required to withdraw from the concurrent program and will be required to transfer out of Option E into one of Options A, B or F in the Civil Engineering program.

Concurrent Degree Program

First Year
Common first year of Engineering.

Second Year Program
Applied Mathematics 2411, Business Administration 2299E, CEE 2202A/B, CEE 2217A/B, CEE 2219A/B, CEE 2220A/B, CEE 2221A/B, CEE 2224, Earth Sciences 2281A/B, ES 2211F/G, Statistical Sciences 2141A/B.

Note: CEE 3324A/B (Surveying). This course is available each summer (15 days) and must be completed before a student may graduate from the Civil Engineering program.

Third Year Program
Regular Year 3 of Option A, B or F in the Civil Engineering program, ES 4498F/G.

Fourth Year Program
Regular Year 1 of the MD program, ***and CEE 4441***.

Fifth Year Program
Regular Year 2 of the MD program.

Sixth Year Program
Regular Year 3 of the MD program.

Seventh Year Program
Regular Year 4 of the MD program ~~less the Advanced Communication Skills course.~~
~~CEE 4441 (will count as an "elective" credit in the fourth year of the MD program).~~

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F. Electrical Engineering and Medicine
Admission
Before entering the concurrent BESc/MD degree program, students must have completed the first three years of the Electrical Engineering program at Western, Option F: Electrical Engineering and Medicine. In addition to applying for the concurrent degree program through the Office of the Associate Dean - Academic of the Faculty of Engineering, students must also make a separate application for admission into the MD program. ~~As part of the application process, students must write a letter to the Schulich School of Medicine & Dentistry (Admission Office) indicating their intent to proceed to the concurrent BESc/MD program.~~ ***In addition, the applicant must satisfy all current admissions requirements for the MD program at the Schulich School of Medicine and Dentistry.***

Admission Criteria
To be eligible for the concurrent degree program, students must have completed all the requirements of the first year curriculum in the Faculty of Engineering with a minimum year weighted average (YWA) of 80%, and the second and third year program of Option F (Electrical Engineering and Medicine) in the Department of Electrical and Computer Engineering with a minimum year weighted average (YWA) of 80% in each year. In addition, the applicant must ~~meet the minimum performance standards in the MCAT and GPA, determined by the Schulich School of Medicine & Dentistry, and must be invited and attend a personal interview with the Schulich School of Medicine & Dentistry. A confidential assessment form, proficiency in English and Basic Life Support Training is also required~~. ***satisfy all current admissions requirements for the MD program at the Schulich School of Medicine and Dentistry.***

Entrance into the concurrent degree program is competitive and limited.

Admission Procedures
A student interested in the concurrent BESc/MD program will apply during the February registration period of the first common year of the Engineering program for admission to the Electrical Engineering program, Option F (Electrical Engineering and Medicine). The student must write the MCAT before the third year of the Electrical Engineering and Medicine program, for the following year's admission into the MD program. Students must apply to the MD program ~~by the deadline established (usually October) by~~ ***in accordance with*** the Ontario Medical School Application Service (OMSAS) during the third year of the ~~(Biochemical/Civil/Electrical/Integrated/Mechanical/Software)~~ ***Electrical Engineering and Medicine program.***

Admission to the BESc portion of the program does not guarantee admission to the MD program.

Note: This program is only open to Canadian citizens or permanent residents.

Progression Requirements
A student enrolled in the concurrent BESc/MD degree program must satisfy the following progression requirements:
Year 2: a minimum YWA of 80% in courses taken as a part of Option F (Electrical Engineering and Medicine).
Year 3: a minimum YWA of 80% in courses taken as a part of Option F (Electrical Engineering and Medicine).
Year 4: progression requirements of the MD program ***and successful completion of Engineering courses***.
Year 5: progression requirements of the MD program.
Year 6: progression requirements of the MD program.
Year 7: progression requirements of the MD program ~~and successful completion of Engineering courses~~.

If the student fails to satisfy the conditions above, he or she will be required to withdraw from the concurrent program and will be required to transfer out of Option F into one of Options A, C, or E in the Electrical Engineering program.

Concurrent Degree Program

First Year Program
Common first year of Engineering.

Second Year Program
Applied Mathematics 2415; Business Administration 2299E; Computer Science 1037A/B; ECE 2205A/B, ECE 2277A/B, ECE 2231A/B, ECE 2233A/B, ECE 2236A/B, ECE 2240A/B, ECE 2241A/B; MME 2234A/B.

Third Year Program
Applied Mathematics 3415A/B; ECE 3330A/B, ECE 3331A/B, ECE 3332A/B, ECE 3333A/B, ECE 3336A/B, ECE 3337A/B, ECE 3370A/B, ECE 3375A/B; ES 2211F/G, ES 4498F/G; Statistical Sciences 2141A/B.

Fourth Year Program
Regular Year 1 of the MD program.
ECE 4416, ECE 4437A/B, 0.5 Electrical Engineering technical elective.

Fifth Year Program
Regular Year 2 of the MD program.

Sixth Year Program
Regular Year 3 of the MD program.

Seventh Year Program
Regular Year 4 of the MD program ~~less the Advanced Communication Skills course ECE 4416~~.

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http://www.westerncalendar.uwo.ca/2013/pg1593.html

F. Software Engineering and Medicine Option

Admission
Before entering the concurrent BESc/MD degree program, students must have completed the first three years of the Software Engineering program at Western, Option F: Software Engineering and Medicine. In addition to applying for the concurrent degree program through the Office of the Associate Dean - Academic of the Faculty of Engineering, students must also make a separate application for admission into the MD program. ~~As part of the application process, students must write a letter to the Schulich School of Medicine & Dentistry (Admission Office) indicating their intent to proceed to the concurrent BESc/MD program.~~ ***In addition, the applicant must satisfy all current admissions requirements for the MD program at the Schulich School of Medicine and Dentistry.***

Admission Criteria
To be eligible for the concurrent degree program, students must have completed all the requirements of the first year curriculum in the Faculty of Engineering with a minimum year weighted average (YWA) of 80%, and the second and third year program of Option F (Software Engineering and Medicine) in the Department of Electrical and Computer Engineering with a minimum year weighted average (YWA) of 80% in each year. In addition, the applicant must satisfy all current admissions requirements for the MD program at The Schulich School of Medicine and Dentistry.
Entrance into the concurrent degree program is competitive and limited.

Admission Procedures
A student interested in the concurrent BESc/MD program will apply during the February registration period of the first common year of the Engineering program for admission to the Software Engineering program, Option F (Software Engineering and Medicine). The student must write the MCAT before the third year of the Software Engineering and Medicine program, for the following year's admission into the MD program. Students must apply to the MD program in accordance with the Ontario Medical School Application Service (OMSAS) during the third year of the Software Engineering and Medicine program.

Admission to the BESc program does not guarantee admission to the MD program.

Note: This program is only open to Canadian citizens or permanent residents.

Progression Requirements
A student enrolled in the concurrent BESc/MD degree program must satisfy the following progression requirements:

Year 2: a minimum YWA of 80% in courses taken as a part of Option E (Software Engineering and Medicine).
Year 3: a minimum YWA of 80% in courses taken as a part of Option E (Software Engineering and Medicine).
Year 4: progression requirements of the MD program and successful completion of Engineering courses.
Year 5: progression requirements of the MD program.
Year 6: progression requirements of the MD program.
Year 7: progression requirements of the MD program.

If the student fails to satisfy the above conditions, he or she will be required to withdraw from the concurrent program and will be required to transfer out of Option E into one of Options A or D in the Software Engineering program.

Concurrent Degree Program

First Year Program
Common first year of Engineering.

Second Year Program
Applied Mathematics 2415, ECE 2277A/B, SE 2250A/B, Mathematics 2151A/B, Computer Science 1037A/B, Statistical Sciences 2141A/B, ECE 2238A/B, SE 2203A/B, SE 2205A/B, ES 2211F/G, 0.5 Science course, Business Administration 2299E.

Third Year Program
SE 3309A/B, SE 3313A/B, SE 3316A/B, ECE 4436A/B, SE 3352A/B, SE 3350Y, ECE 3375A/B, SE 3310A/B, SE 3314A/B, SE 3351A/B, SE 3353A/B, ES 4498F/G.

Fourth Year Program
Regular Year 1 of the MD program, SE 4450, SE 4472A/B and 0.5 technical elective

Fifth Year Program
Regular Year 2 of the MD program.

Sixth Year Program
Regular Year 3 of the MD program.

Seventh Year Program
Regular Year 4 of the MD Program.

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C. Mechanical Engineering and Medicine Option

Admission
Before entering the concurrent BESc/MD degree program, students must have completed the first three years of the Mechanical Engineering program at Western, Option C: Mechanical Engineering and Medicine. In addition to applying for the concurrent degree program through the Office of the Associate Dean - Academic of the Faculty of Engineering, students must also make a separate application for admission into the MD program. ~~As part of the application process, students must write a letter to the Schulich School of Medicine & Dentistry (Admission Office) indicating their intent to proceed to the concurrent BESc/MD program.~~ ***In addition, the applicant must satisfy all current admissions requirements for the MD program at the Schulich School of Medicine and Dentistry.***

Admission Criteria
To be eligible for the concurrent degree program, students must have completed all the requirements of the first year curriculum in the Faculty of Engineering with a minimum year weighted average (YWA) of 80%, and the second and third year program of Option C (Mechanical Engineering and Medicine) in the Department of Mechanical and Materials Engineering with a minimum year weighted average (YWA) of 80% in each year. In addition, the applicant must ~~meet the minimum performance standards in the MCAT and GPA, determined by the Schulich School of Medicine & Dentistry, and must be invited and attend a personal interview with the Schulich School of Medicine & Dentistry. A confidential assessment form, proficiency in English and Basic Life Support Training is also required~~. ***satisfy all current admissions requirements for the MD program at the Schulich School of Medicine and Dentistry.***

Entrance into the concurrent degree program is competitive and limited.

Admission Procedures
A student interested in the concurrent BESc/MD program will apply during the February registration period of the first common year of the Engineering program for admission to the Mechanical Engineering program, Option C (Mechanical Engineering and Medicine). The student must write the MCAT before the third year of the Mechanical Engineering and Medicine program, for the following year's admission into the MD program. Students must apply to the MD program ~~by the deadline established (usually October) by~~ ***in accordance with*** the Ontario Medical School Application Service (OMSAS) during the third year of the ~~(Biochemical/Civil/Electrical/Integrated/Mechanical/Software)~~ ***Mechanical Engineering and Medicine program.***

Admission to the BESc program does not guarantee admission to the MD program.

Note: This program is only open to Canadian citizens or permanent residents.

Progression Requirements
A student enrolled in the concurrent BESc/MD degree program must satisfy the following progression requirements:
Year 2: a minimum YWA of 80% in courses taken as a part of Option C (Mechanical Engineering and Medicine)
Year 3: a minimum YWA of 80% in courses taken as a part of Option C (Mechanical Engineering and Medicine)
Year 4: progression requirements of the MD program and successful completion of Engineering courses.
Year 5: progression requirements of the MD program.
Year 6: progression requirements of the MD program.
Year 7: progression requirements of the MD program ~~and successful completion of Engineering courses~~.

If the student fails to satisfy the conditions above, he or she will be required to withdraw from the concurrent program and will be required to transfer out of Option C into Option A of the Mechanical Engineering program.

Concurrent Degree Program

First Year Program
Common first year of Engineering.

Second Year Program
Applied Mathematics 2413, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, ES 2211F/G, Business Administration 2299E.

Third Year Program
Applied Mathematics 3413A/B, ECE 3373A/B, ECE 3374A/B, ES 4498F/G, MME 3303A/B, MME 3307A/B, MME 3334A/B, MME 3360A/B, MME 3379A/B, MME 3380A/B, MME 3381A/B.

Fourth Year Program
Regular Year 1 of the MD program.
MME 4499, MME 4425A/B, MME 4450A/B

Fifth Year Program
Regular Year 2 of the MD program.

Sixth Year Program
Regular Year 3 of the MD program.

Seventh Year Program
Regular Year 4 of the MD program~~ less the Advanced Communication Skills course. MME4499 (will count as an "elective" credit in the fourth year of the MD program).~~

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C. Integrated Engineering and Medicine Option

Admission
Before entering the concurrent BESc/MD degree program, students must have completed the first three years of the Integrated Engineering program at Western, Option C: Integrated Engineering and Medicine. In addition to applying for the concurrent degree program through the Office of the Associate Dean - Academic of the Faculty of Engineering, students must also make a separate application for admission into the MD program.~~ As part of the application process, students must write a letter to the Schulich School of Medicine & Dentistry (Admission Office) indicating their intent to proceed to the concurrent BESc/MD program.~~ ***In addition, the applicant must satisfy all current admissions requirements for the MD program at the Schulich School of Medicine and Dentistry.***

Admission Criteria
To be eligible for the concurrent degree program, students must have completed all the requirements of the first year curriculum in the Faculty of Engineering with a minimum year weighted average (YWA) of 80%, and the second and third year program of Option C (Integrated Engineering and Medicine) in the Integrated Engineering program with a minimum year weighted average (YWA) of 80% in each year. In addition, the applicant must~~ meet the minimum performance standards in the MCAT and GPA, determined by the Schulich School of Medicine & Dentistry, and must be invited and attend a personal interview with the Schulich School of Medicine & Dentistry. A confidential assessment form, proficiency in English and Basic Life Support Training is also required.~~***satisfy all current admissions requirements for the MD program at the Schulich School of Medicine and Dentistry.***

Entrance into the concurrent degree program is competitive and limited.

Admission Procedures
A student interested in the concurrent BESc/MD program will apply during the February registration period of the first common year of the Engineering program for admission to the Integrated Engineering program, Option C (Integrated Engineering and Medicine). The student must write the MCAT before the third year of the Integrated Engineering and Medicine program, for the following year's admission into the MD program. Students must apply to the MD program~~ by the deadline established (usually October) by~~ ***in accordance with*** the Ontario Medical School Application Service (OMSAS) during the third year of the ~~(Biochemical/Civil/Electrical/Integrated/Mechanical/Software)~~ ***Integrated Engineering and Medicine program.***
Admission to the BESc program does not guarantee admission to the MD program.

Note: This program is only open to Canadian citizens or permanent residents.

Progression Requirements
A student enrolled in the concurrent BESc/MD degree program must satisfy the following progression requirements:
Year 2: a minimum YWA of 80% in courses taken as a part of Option C (Integrated Engineering and Medicine)
Year 3: a minimum YWA of 80% in courses taken as a part of Option C (Integrated Engineering and Medicine)

Year 4: progression requirements of the MD program ***and successful completion of Engineering courses***.
Year 5: progression requirements of the MD program.
Year 6: progression requirements of the MD program.
Year 7: progression requirements of the MD program~~ and successful completion of Engineering courses.~~
If the student fails to satisfy the conditions above, he or she will be required to withdraw from the concurrent program and will be required to transfer out of Option C into Option A of the Integrated Engineering program.

Concurrent Degree Program

First Year Program
Common first year of Engineering.

Second Year Program
Business Administration 2299E, Applied Mathematics 2415, CBE 2221A/B, CBE 2291A/B, CEE 2202A/B, ECE 2238A/B, ECE 2277A/B, MME 2204A/B, MME 2259A/B, ES 2211F/G, ES 2299A/B.

Third Year Program
ES 3399, CBE 2220A/B, CBE 3322A/B, CEE 2217A/B, CEE 2220A/B, ECE 3374A/B, MME 2213A/B, MME 2285A/B, MME 3379A/B, Statistical Sciences 2143A/B, ES 4498F/G.

Fourth Year Program
Regular Year 1 of the MD program, ***ES 4499***

Fifth Year Program
Regular Year 2 of the MD program.

Sixth Year Program
Regular Year 3 of the MD program.

Seventh Year Program
Regular Year 4 of the MD program ~~less the Advanced Communications Skills course.~~
~~ED4499 (will count as an elective credit in the fourth year of the MD program)~~