



The University of Western Ontario

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L. Hatif
REGISTRAR

The University of Western Ontario

OFFICE OF THE REGISTRAR
LONDON, ONTARIO, CANADA N6A 3K7

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Degrees Awarded

Degree: Bachelor of Engineering Science
Mechatronic Systems Engineering with Professional Internship
Awarded: 2022-Jun

Scholarships and Awards

[Note: Non-graduate scholarships are listed from May 1, 2000.
Graduate scholarships are listed from September 1, 2008.]

2017 The Western Scholarship of Excellence

Academic Program History

Program: Faculty of Engineering
Plan: Bachelor of Engineering Science
Mechatronic Systems Engineering with Professional Internship
Status: Completed Program

Basis of Admission

W 2017 Ontario Secondary School Diploma 2017

Academic Record

Course	Description	Unts	Grd	Siz	Avg
APPLMATH	1411A LNR ALG NUM ANALYSIS FOR ENG	0.5	074	257	73
APPLMATH	1413 APP MATH FOR ENGRS I	1.0	076	104	65
BUSINESS	1299E BUSINESS FOR ENGINEERS	1.0	084	63	67
CHEM	1302A DISCOVERING CHEMICAL ENERGETIC	0.5	072	253	66
ENGSCI	1021B PROPERTIES OF MATERIALS	0.5	090	256	75
ENGSCI	1022Y ENGINEERING STATICS	0.5	086	216	69
ENGSCI	1036B PRGRMMNG FUNDAMNTLS FOR ENGNRS	0.5	091	117	74
ENGSCI	1050 INTRO ENG DESIGN & INNOVTN STU	1.0	090	133	78
PHYSICS	1401A PHYSICS FOR ENG STDNTS I	0.5	083	201	81
PHYSICS	1402B PHYSICS FOR ENG STDNTS II	0.5	078	197	68

Dean's Honor List

2018 Fall/Winter

Course	Description	Unts	Grd	Siz	Avg
APPLMATH	2270A APPLIED MATH FOR ENGINEER II	0.5	076	241	74
APPLMATH	2276B APP MATH ELEC & MEC ENG III	0.5	062	187	60
COMPSCI	1037A COMP SCI FUNDAMENTALS II	0.5	090	261	79
ECE	2205A ELECTRIC CIRCUITS	0.5	077	174	62
MSE	2200Q ENGINEERING SHOP SAFETY TR	0.0	PAS		
MSE	2201A INTRO TO ELECTRICAL INSTRUMENT	0.5	088	63	91
MSE	2202B INTRO TO MECHATRONIC DESIGN	0.5	087	67	76
MSE	2212A MECHANICS OF MATERIALS	0.5	087	65	78
MSE	2213B ENGINEERING DYNAMICS	0.5	078	70	77
MSE	2214A THERMODYNAMICS	0.5	084	82	73
MSE	2233B CIRCUITS AND SYSTEMS	0.5	091	79	80
MSE	2273B FLUID MECHANICS & HEAT TRANSFR	0.5	081	64	73
WRITING	2130G BETTER COMMUNICATION BRIDGES	0.5	077	100	76

Dean's Honor List

2019 Fall/Winter

Course	Description	Unts	Grd	Siz	Avg
APPLMATH	3415A ADV APPL MATH ELEC ENGINEERING	0.5	093	106	83
ECE	2277A DIGITAL LOGIC SYSTEMS	0.5	078	196	70
ECE	3330A CONTROL SYSTEMS	0.5	088	160	74
ECE	3331B INTRO TO SIGNAL PROCESSING	0.5	098	154	89
ECE	3375B MICROPROCESSORS & MICROCOMP	0.5	092	168	88
GEOGRAPH	2041B GEOGRAPHY OF CHINA	0.5	084	128	76
MSE	3301A MATERIALS SELECTION & MNFT	0.5	086	80	78
MSE	3302B SENSORS & ACTUATORS	0.5	093	75	93
MSE	3310A ELECTRIC MOTORS AND DRIVES	0.5	085	74	81
MSE	3360B FINITE ELEMENT METHODS FOR MSE	0.5	091	77	87
MSE	3380B MECH COMP DSGN MECHATRONIC SYS	0.5	092	79	86
MSE	3381A KINETICS & DYNAMICS OF MACHINE	0.5	088	74	77

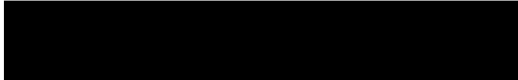
Dean's Honour List

2020 Fall/Winter

Course	Description	Unts	Grd	Siz	Avg
ENGSCI	3352 ENGINEERING INTERNSHIP	3.0	SAT		
ENGSCI	3353 ENGINEERING INTERNSHIP	3.0	SAT		

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- - 2021 Summer - -					
<u>Course</u>	<u>Description</u>	<u>Unts</u>	<u>Grd</u>	<u>Siz</u>	<u>Avg</u>
ENGSCI 3354	ENGINEERING INTERNSHIP	3.0	SAT		
- - 2021 Fall/Winter - -					
<u>Course</u>	<u>Description</u>	<u>Unts</u>	<u>Grd</u>	<u>Siz</u>	<u>Avg</u>
ANTHRO 1026G	INTRO BIOL ANTHRO & ARCHA	0.5	088	150	79
ECE 4445A	INTRO TO DIGITL IMAGE PROCSSNG	0.5	098	84	87
ECE 4460B	REAL-TIME & EMBEDDED SYSTEMS	0.5	089	114	85
ECE 4469B	APPLIED CONTROL SYSTEMS	0.5	088	75	75
ELI 4110F	ENG ETHICS SUST DEVEL & LAW	0.5	087	45	82
MME 4459B	ADV CAE: MANUFACTURING TECH	0.5	085	40	83
MME 4480A	ADV CAE: REVERSE ENGINEERING	0.5	096	50	83
MSE 4401A	ROBOTIC MANIPULATORS	0.5	076	63	75
MSE 4499	MECHATRONIC DESIGN PROJECT	1.0	094	59	83
PHILOSOP 1230B	REASONING & CRITICAL THINKING	0.5	085	886	80
STATS 2141A	APPL PROB & STATS FOR ENGINEER	0.5	085	339	77
Program Completed, Graduation Spring Convocation with Distinction					

Dean's Honor List

End of Official Transcript

THE UNIVERSITY OF WESTERN ONTARIO

AFFILIATED COLLEGES: BRESCIA UNIVERSITY COLLEGE, HURON UNIVERSITY COLLEGE, KING'S UNIVERSITY COLLEGE

The University is a member of the Association of Universities and Colleges of Canada, the Association of Universities of the Commonwealth, and the International Association of Universities.

www.uwo.ca

LANGUAGE OF THE UNIVERSITY – Aside from language courses, all courses at The University of Western Ontario are taught in English.

COURSE UNITS & EQUIVALENCIES

A full course (1.0 units) normally consists of three lecture hours each week for the full year, September to April. Each full course is equivalent to six semester hours or nine quarter hours. Courses with suffixes A, B, F, G, Y, Z denote 0.5 units. Courses with 0.5 units denote half courses. Courses with 0.25 units denote quarter courses. Courses with 1.0 units denote full courses. A full course load consists of 3.5 or more courses.

GRADE POINT AVERAGE – The University of Western Ontario does not issue a grade point average for students.

COURSE TITLES appear on transcripts for all courses recorded after September 1984.

COURSE NUMBERS - Effective May 01, 2008 course numbers are 4 digits in length.

UNDERGRADUATE SCHOLARSHIPS, AWARDS, PRIZES, FELLOWSHIPS AND MEDALS awarded by the University to the student during the student's academic career at the University are available from May 01, 2000.

UNDERGRADUATE CLASS AVERAGES and SIZES - Available from September 01, 2000.

COURSE NUMBER SUFFIXES

A	0.5 course in first term	Q	0.25 course in the first half of first term
B	0.5 course in second term	R	0.25 course in the second half of first term
C	January courses in the Faculty of Law (4.0 credit weight)	S	0.25 course in the first half of second term
D	Feb/March/April (FMA) courses in the Faculty of Law	T	0.25 course in the second half of second term
E	1.0 essay course	U	0.25 course in other than a regular session
F	0.5 essay course in first term	V	0.375 course offered by the Faculty of Education
G	0.5 essay course in second term	W	1.0 accelerated course in first term
H	1.0 accelerated course (8 weeks) in the School of Nursing	X	1.0 accelerated course in second term
J	1.0 accelerated course (6 weeks) in the School of Nursing	Y	0.5 course in other than a regular session
K	0.75 course at the School of Business	Z	0.5 essay course in other than a regular session
L	0.5 graduate course offered in summer term (May-August)	No Suffix	1.0 course not designated as an essay course

ACADEMIC TERMS

Undergraduate, Education, Professional, Preliminary Year Careers

Fall/Winter Term: September to April

Summer Term: May to August

Note: the Summer Term is comprised of several sessions within the term: Intersession, Summer Evening, and Summer Day, etc.

Graduate Studies

Winter Term: January to April

Summer Term: May to August

Fall Term: September to December

MBA Spring Term: March to March

EXPLANATION OF ABBREVIATIONS

AEG	Aegrotat	FTW	Failed Term Work*	SAT	Satisfactory*
AUD	Audit*	GRD	Grade	SIZ	Class Size*
AVG	Class Average	INC	Incomplete*	SPC	Special Exam*
COM	Complete*	IPR	In Progress*	SRP	Supplemental Examination/Remedial Work passed*
CR	Credit*	NC	No Credit	SUP	Supplemental Exam*
DEF	Deferred Exam*	NGR	No Grade Recorded*	UNTS	Units*
DNW	Did Not Write*	OEN	Ontario Education Number*	WDN	Withdrew (no penalty)*
DRP	Dropped (penalty)*	PAS	Pass*		
FAI	Fail*	PWD	Passed With Distinction*		

*No numeric mark recorded

GRADING SCALES (For historical grading scales, visit <http://registrar.uwo.ca/transcriptscale>)

Undergraduate Faculties and Affiliated University Colleges

Effective September 2000

A+	90 – 100%	One could scarcely expect better from a student at this level
A	80 – 89%	Superior work which is clearly above average
B	70 – 79%	Good work, meeting all requirements, and eminently satisfactory
C	60 – 69%	Competent work, meeting requirements
D	50 – 59%	Fair work, minimally acceptable
F	below 50	Fail

In some Faculties, failing grades are distinguished as follows: E 40–49% Fail with supplemental examination privileges.

Note: Grades assigned for courses taken on a letter of permission at another institution follow the grading scale of The University of Western Ontario.

Effective May 01, 2010, grades for undergraduate courses taken on exchange will be recorded as PAS+ (pass with distinction), PAS or FAI.

Faculty of Education

Effective September 2020

PAS Equivalent of 76%

FAI

The B.Ed. program is a two-year program consisting of 9.0 credits, 2.0 of which are practicum/in field components. In the course component, one credit is normally equivalent to 72 hours of classroom contact time. The practicum/in field components include 29-30 weeks of block practice teaching plus 7 weeks of alternative field experience. Prior to 2015, the one-year program was comprised of 6.0 credits, with practicum comprising 10-12 weeks. Enquiries concerning practicum days, or program requirements in place prior to September 1979, should be directed to the Faculty of Education. Before September 1999, additional qualifications half course weights are 2.0, and full course weights are 4.0. Effective September 1999, half course weights are 0.5, and full course weights are 1.0.

The School of Graduate and Postdoctoral Studies

Effective September 2002 **Note:** Failure to achieve 60% (C) or higher in any undergraduate course taken as credit towards a graduate degree is interpreted as a failure.

A	80 – 100%	
B	70 – 79%	Effective November 01, 1998 Thesis courses are replaced by non-course milestones.
C	60 – 69%	
F	00 – 59%	

Effective Fall 1998 the appearance of “Continuous Graduate Enrollment” on the transcript indicates that all program requirements have not yet been met (e.g. if the student is pursuing research towards a thesis at this time). If the student is in a program requiring completion of a thesis, “thesis completed” will appear on the transcript following successful completion of the thesis requirements.

Schulich School of Medicine & Dentistry

Dentistry (DDS)

Effective September 1987

A	80 – 100%	C	60 – 69%
B	70 – 79%	F	00 – 59%

Medicine (MD)

Effective September 2019 (Class of 2023) and beyond

PAS	Clear competency with regard to all criteria considered essential for the completion of that specific course, including a minimum of 70% on summative assessments in the course as outlined in the course syllabus.
FAI	An inability to meet the minimal acceptable standards and/or competency for a specific course including a minimum of 70% on summative assessments in the course as outlined in the course syllabus.

Effective September 2004 (For students who entered the MD Program prior to September 2019)

PAS	Clear competency with regard to all criteria considered essential for the completion of that specific course. On any evaluation, this will be determined by achieving a minimum of 60%.
FAI	An inability to meet the minimal acceptable standards for a specific course. Less than 60%.

Faculty of Law

Effective September 2020

A+, A, A-	Excellent
B+, B, B-	Good
C+, C	Competent
C-	Barely Competent
D	Marginal Pass
F	Fail