



NAME: **Swarup, Arushri**

RECORD AS OF: 2016-01-15

ISSUED TO: **Arushri Swarup**

STUDENT NUMBER: 998866071

151 Dan Leckie Way, Suite 1609
Toronto ON M5V 4B2

OEN: 344034004

BIRTH DAY/MONTH: 20/08

REGISTRATION HISTORY

2011 Fall - 2016 Winter : Faculty of Applied Science & Engineering

Faculty of Applied Science & Engineering

2011 FALL - BASC IN ENGINEERING SCIENCE - DIVISION OF ENGINEERING SCIENCE

SESSIONAL GPA: 2.38 CUMULATIVE GPA: 2.38

SESSIONAL PERS: 68.2

STATUS: PASS

CRS CODE TITLE	WGT	MRK	GRD	CRS	AVG
CIV102H1 STRUCT. & MATERIALS	0.50	62	C+	B-	
CSC180H1 INT. TO COMP. PROGRAM	0.50	68	C+	B	
ESC101H1 PRAXIS I	0.50	70	B-	B	
ESC103H1 ENG. MATHEMATICS & COMPUTATION	0.50	57	D+	B	
MAT194H1 CALCULUS I	0.50	85	A	B-	
PHY180H1 CLASSICAL MECHANICS	0.50	67	C+	B	

May proceed

2012 WINTER - BASC IN ENGINEERING SCIENCE - DIVISION OF ENGINEERING SCIENCE

SESSIONAL GPA: 2.72 ANNUAL GPA: 2.55 CUMULATIVE GPA: 2.55

SESSIONAL PERS: 72.0

STATUS: PASS

CRS CODE TITLE	WGT	MRK	GRD	CRS	AVG
CSC190H1 COMP. ALGOR. & DATA STRUCTURES	0.50	68	C+	B	
ECE159H1 FUNDAMENTALS OF ELEC. CIRCUITS	0.50	63	C	C+	
ESC102H1 PRAXIS II	0.50	83	A-	B	
MAT185H1 LINEAR ALGEBRA	0.50	75	B	B-	
MAT195H1 CALCULUS II	0.50	75	B	B	
MSE160H1 MOLECULES AND MATERIALS	0.50	68	C+	B	

May proceed

2012 FALL - BASC IN ENGINEERING SCIENCE - DIVISION OF ENGINEERING SCIENCE

SESSIONAL GPA: 2.90 CUMULATIVE GPA: 2.67

SESSIONAL PERS: 73.5

STATUS: PASS

CRS CODE TITLE	WGT	MRK	GRD	CRS	AVG
AER210H1 VECTOR CALC. & FLUID MECHANICS	0.50	80	A-	B	
CHE260H1 THERMODYNAMICS	0.50	76	B	B	
ECE253H1 DIGITAL & COMPUT. SYS	0.50	64	C	B-	
ESC203H1 ENG. SOCIETY & CRITICAL THINKING	0.50	75	B	B	
MAT292H1 Calculus III	0.50	76	B	B-	
PHY293H1 WAVES AND MODERN PHYSICS	0.50	70	B-	B	

May proceed

2013 WINTER - BASC IN ENGINEERING SCIENCE - DIVISION OF ENGINEERING SCIENCE

SESSIONAL GPA: 3.17 ANNUAL GPA: 3.03 CUMULATIVE GPA: 2.79

SESSIONAL PERS: 76.2

STATUS: PASS

CRS CODE TITLE	WGT	MRK	GRD	CRS	AVG
AER201H1 ENGINEERING DESIGN	0.50	73	B	B	

BME205H1 BIOMOLECULES AND CELLS	0.50	78	B+	B-
ECE259H1 ELECTRICITY AND MAGNETISM	0.50	76	B	B-
NMC344H1 Ancient Egypt II	0.50	76	B	B-
PHY294H1 QUANTUM AND THERMAL PHYSICS	0.50	80	A-	B-
STA286H1 PROBABILITY & STATISTICS	0.50	74	B	B-

May proceed

2013 FALL - BASC IN ENGINEERING SCIENCE (MAJOR IN BIOMEDICAL SYSTEMS ENGINEERING) - DIVISION OF ENGINEERING SCIENCE

SESSIONAL GPA: 3.48 CUMULATIVE GPA: 2.91

SESSIONAL PERS: 80.8

STATUS: PASS WITH HONOURS

CRS CODE TITLE	WGT	MRK	GRD	CRS	AVG
APM384H1 PARTIAL DIFFERENTIAL EQUATIONS	0.50	81	A-	B	
BME344H1 MODEL DYN. & CONTROL BIO SYS	0.50	76	B	B	
BME350H1 BIO SYS ENG I: ORGAN SYSTEMS	0.50	83	A-	B+	
BME395H1 BIO SYS ENG II: CELLS & TISSUE	0.50	88	A	B+	
CHE391H1 ORGANIC CHEM. & BIOCHE	0.50	76	B	B-	
ESC301Y1 ENG. SCI. OPTION SEMINAR	0.10		IPR		

May proceed

2014 WINTER - BASC IN ENGINEERING SCIENCE (MAJOR IN BIOMEDICAL SYSTEMS ENGINEERING) - DIVISION OF ENGINEERING SCIENCE

SESSIONAL GPA: 3.74 ANNUAL GPA: 3.61 CUMULATIVE GPA: 3.03

SESSIONAL PERS: 82.2

STATUS: PASS WITH HONOURS

CRS CODE TITLE	WGT	MRK	GRD	CRS	AVG
BME346H1 BIOMED ENG & OMICS TECHNOLOGY	0.50	85	A	B+	
BME358H1 MOLECULAR BIOPHYSICS	0.50	77	B+	B	
BME396H1 BIO SYS ENG III: MOLE. & CELLS	0.50	80	A-	B+	
ESC301Y1 ENG. SCI. OPTION SEMINAR	0.10		CR	*	
MIE439H1 BIOMECHANICS	0.50	87	A	B+	
MSE352H1 BIOMAT & BIOCOMPAT	0.50	82	A-	B	

May proceed

2014 FALL - BASC IN ENGINEERING SCIENCE (MAJOR IN BIOMEDICAL SYSTEMS ENGINEERING) - DIVISION OF ENGINEERING SCIENCE

CRS CODE TITLE WGT MRK GRD CRS AVG

PEY500Y1 PROFESSIONAL EXP. YR.	0.00		IPR		
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In March 2015, the University of Toronto was affected by a labour disruption. As a result, some students were graded on the University's approved Credit/No Credit scale (see transcript key), rather than receiving a letter or numeric grade, for courses completed in Winter 2015.

For more information, see:

<http://www.transcripts.utoronto.ca/guide>

2015 WINTER - BASC IN ENGINEERING SCIENCE (MAJOR IN BIOMEDICAL SYSTEMS ENGINEERING) - DIVISION OF ENGINEERING SCIENCE

CRS CODE TITLE WGT MRK GRD CRS AVG

PEY500Y1 PROFESSIONAL EXP. YR.	0.00		CR		
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NAME: Swarup, Arushri

RECORD AS OF: 2016-01-15

ISSUED TO: Arushri Swarup

STUDENT NUMBER: 998866071

OEN: 344034004

BIRTH DAY/MONTH: 20/08

2015 FALL - BASC IN ENGINEERING SCIENCE (MAJOR IN BIOMEDICAL SYSTEMS
ENGINEERING) - DIVISION OF ENGINEERING SCIENCE
SESSIONAL GPA: 3.75 CUMULATIVE GPA: 3.11

SESSIONAL PERS: 84.0

STATUS: PASS WITH HONOURS

CRS CODE TITLE	WGT	MRK	GRD	CRS	AVG
BME428H1 BIO SYS ENG IV: COMP. SYS. BIO	0.50	80	A-	A-	
BME460H1 BIOMAT & MED DEVICE PROD DEV	0.50	83	A	*	
BME489H1 BIOMEDICAL SYSTEMS ENG. DESIGN	0.50	89	A	A-	
CHE374H1 ECO ANA & DEC MAKING	0.50	79	B+	B+	
ESC499Y1 THESIS	1.00		IPR		

May proceed

2016 WINTER - BASC IN ENGINEERING SCIENCE (MAJOR IN BIOMEDICAL
SYSTEMS ENGINEERING) - DIVISION OF ENGINEERING SCIENCE

CRS CODE TITLE	WGT	MRK	GRD	CRS	AVG
BME510H1 REGENERATIVE MEDICINE	0.50		IPR		
ESC499Y1 THESIS	1.00		IPR		
HMB200H1 Neuroscience	0.50		IPR		
HPS303H1 Top: History of Medicine	0.50		IPR		
NMC102H1 Ancient Empires	0.50		IPR		

University of Toronto Guide to Transcript

Effective September 1998

Grade Meanings	Undergraduate Grade Scale		Graduate Grade Scale		
	Refined Letter Grade Scale	Numerical Scale of Marks	Grade Point Value	Truncated Letter Grade Scale	Numerical Scale of Marks
Excellent	A+	90 - 100%	4.0	A+	90 - 100%
	A	85 - 89%	4.0	A	85 - 89%
	A-	80 - 84%	3.7	A-	80 - 84%
Good	B+	77 - 79%	3.3	B+	77 - 79%
	B	73 - 76%	3.0	B	73 - 76%
	B-	70 - 72%	2.7	B-	70 - 72%
Adequate	C+	67 - 69%	2.3		
	C	63 - 66%	2.0		
	C-	60 - 62%	1.7		
Marginal	D+	57 - 59%	1.3		
	D	53 - 56%	1.0		
	D-	50 - 52%	0.7		
Inadequate	F	0 - 49%	0.0	FZ	0 - 69%

Approved grade scales that are outside the standard system:

H (Honours), P (Pass), FL (Failure).

In cases where the FL grade is used in calculating grade point averages, the symbol FL% is used and a grade point value of 0.0 is assigned.

CR (Credit), NCR (No Credit).

In cases where the NCR grade is used in calculating grade point averages, the symbol NCR% is used and a grade point value of 0.0 is assigned.

Other Symbols and Notations:

ADD Additional course, taken for credit. Included in grade point averages.

(note: the following symbols are not used in calculating grade point averages.)

AEG Aegrotat standing granted on the basis of term work and medical or similar evidence. Course credit granted.

DNW Did not write/did not attend/did little work.

EXT Extra course, not for credit.

GWR Grade withheld pending review.

INC Incomplete.

IPR In progress.

(IPR will also appear if the course has not yet started or the course has finished but an approved grade is not yet available.)

LWD Late withdrawal without academic penalty.

NGA No grade available.

SDF Standing deferred on the basis of incomplete course work because of medical or similar reasons.

WDR Withdrawn without academic penalty.

XMP Exemption granted on the basis of credit for work done elsewhere. Course credit granted.

Candidacy Achieved

A student who has completed all program requirements for the PhD degree exclusive of thesis research will be considered a candidate in the School of Graduate Studies.

Richard Levin
University Registrar

End of Transcript



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ISSUED TO: **Arushri Swarup**

OEN: 344034004

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Averages Information:

The following types of averages may appear:

GPA	Grade Point Average* (*for CTEP programs, the GPA does not include performance in B.Ed. courses)
ACCA	GPA on the Academic Activity Component of the Bachelor of Physical Health and Education
CICA	GPA on the Curriculum and Instruction Component of the Bachelor of Education and Diploma in Technical Education
CTPA	GPA on the Bachelor of Education Activity Component of the Concurrent Teacher Education Program
FNCA	GPA on Foundations Component of the Bachelor of Education and Diploma in Technical Education
PACA	GPA on the Physical Activity Component of the Bachelor of Physical and Health Education
PERS	Percentage Average
ACCUM. AVG	Accumulated Average

Awards Information:

Academic awards information is not listed on University of Toronto transcripts.

Academic Sessions:

- Fall Session (September - December)
- Winter Session (January - April)
- Summer Session (May - August)

Course Credits:

A course with a weight of 1.00 equals 6 semester hours.

Course Average:

Course average is shown for undergraduate courses with a size of 12 or more and is expressed as a letter grade corresponding to the refined letter grade scale. The symbol "**" is used to indicate an undergraduate course with fewer than 12 students. A "blank" is used to indicate that a course average has not been calculated.

End of Guide

