



NAME: **Swarup, Arushri**

ISSUED TO: Arushri Swarup  
2645 Matheson Blvd. E.  
Mississauga, ON  
Canada, L4W 5S4

RECORD AS OF: 2015-06-05

STUDENT NUMBER: 998866071

OEN: 344034004

BIRTH DAY/MONTH: 20/08

**REGISTRATION HISTORY**

2011 Fall - 2015 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	
ECE139H1 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		IPR		



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BIRTH DAY/MONTH: **20/08**

Richard Levin  
University Registrar

**End of Transcript**

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.

## 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 NC% 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)

### 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**