

Transcript of Academic Record

This document is a certified official record when signed by the Registrar. It is printed on a watermarked security paper with visible fibers. Hold to light to verify the watermark. The line under this paragraph is text that reads "University of Alberta". A raised seal is not required. The student is in good standing unless otherwise noted. Information on evaluating the transcript is on the reverse.

Send To:

Matthew Regehr 106-257 Hemlock Street Waterloo ON N2L 0K2 LBERTA • UNIVERSITY OF A SI

Date of Issue:

15-Nov-2021

Student Name: (Surname last)

Matthew Troy Regehr

ID Number:

1529019

Month	and	Day	of	Birth:	March	11

Degrees Stylo

June 25, 2021

Degree:

Bachelor of Science with Honors

Computing Science

with First Class Honors

In the Name of: Matthew Troy Regehr

Awards

September 01, 2017 - Law Awarded a Faculty of Science Academic Excellence Scholarship

September 01, 2017 Awarded the Patricia Siemens Science Entrance Scholarship

September 01, 2017 OF A Awarded a Florence MacKenzie Memorial Entrance Scholarship

September 01, 2017 Awarded a Department of Mathematical Sciences Academic Excellence Scholarship

May 15, 2018 ALBERTA - UNIVERAwarded a JW Campbell Memorial Prize in Mathematics

September 01, 2019 Awarded the Faculty of Science Undergraduate Scholarship

September 01, 2019 A Awarded a Max and Marjorie Ward Undergraduate Scholarship

September 01, 2019 Awarded a Dirk Snoeck Henkemans Memorial Scholarship

September 01, 2019 Awarded a Louise McKinney Post-Secondary Scholarship

May 15, 2020 Awarded a Mathukumalli Venkata Subbamma Prize

September 01, 2020 OF A Awarded a Kao Family Eisenco Scholarship

May 30, 2021 Awarded a Gold Medal in Computing Science

May 30, 2021 A BERTA UNIVE Awarded a Dean's Silver Medal in Science

September, 2017: Admitted to the Faculty of Science, Bachelor of Science with Specialization program, Mathematics - Computational Science.

Fall Term 2017

BSc with Specialization
Mathematics - Computational Science

			Grade	Units	ALBER Units	Grade	Class	Class
Cour	se BERTA -	Description RTA . UNIVERSITY OF ALBERTA . UN	Remark	Taken	Passed	Points	RSITY OF AVG RT	Enristy OF A
CMPU	T 175	INTRO TO FNDTNS OF CMPUT II	A+	3.0	ALBERTA 3.0	12.00	2.4	61
ENGL	103	CASE STUDIES IN RESEARCH	A-	UNIVERSITA . O	ALBERTA 3.0	11.10	3.0	OF AL 39 TA UNIN
		NIVERS Adaptations/Classic Fairy Tale						
GERM	211	INTERMEDIATE GERMAN I UNIVERSITY OF A	A	UNIVERSIST. 0	ALBERTA . 3.0	12.00	RTA - UNIS. 1SITY	OF AL 16 TA VUNIV
MATH	117	HONORS CALCULUS I	A+	3.0	3.0	12.00	2.3	51
MATH	127	HONORS LINEAR ALGEBRA I	A+psity	OF ALBERS . O	INIVERSITY 3.0	12.00	2.5	UNI 37 SITY OF A
ERTA - UI	WIVERSITY OF	ALBERTA . UNIVERSITY OF ALBERTA . UNIVERSITY OF A	TOTALS	UNIVERSITY. OF	ALBERTA 15.0	BSF7 59.10	BTA - UNIVERSITY	OF ALBERTA * UNIV

Page 1 (Continued on next page)



EDMONTON, ALBERTA, CANADA T6G 2M7

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Accreditation: The University of Alberta is a member of the Association of Universities and Colleges of Canada and the Association of Commonwealth Universities.

Academic Terms: Effective September 1999, all periods of study at the University of Alberta are represented by terms. There are four academic terms—Fall, Winter, Spring and Summer. The Fall and Winter Terms are 13 weeks long plus examination time. The Spring and Summer terms are six weeks long including examination time.

Course Information: Course units are assigned for the purpose of calculating a weighted (grade point) average. Normally, full courses consist of 6.0 units, include three hours of lectures per week, and are offered over two terms. A full course is represented on the transcript as two sections of the same course—section A and B. Section A of a full course is awarded a grade of IP. No weight is assigned to this section. A final grade, the corresponding weight and grade point value

are assigned to section B of the course. Half courses normally consist of 3.0 units and include three hours of instruction per week. Engineering courses have units assigned to them based on hours of instruction and may deviate from the norm.

Grade Point Average (GPA): The Grade Point Average (GPA) is a measure of a student's weighted average, obtained by dividing the total number of grade points earned by the total units of course weight attempted. Courses graded using grades of CR or NC, or from which students have withdrawn or have audited, are not calculated into the GPA. For more information, see the *University Calendar*.

Re-registration Policy: The university's re-registration policy, effective September 1988, does not normally allow students to repeat courses already passed or for which transfer credit has been granted. For more information, see the *University Calendar*.

The Letter Grading System (effective September 2003)

Undergraduate Students Descriptor Letter Grade Grade Point Value A+ 4.0 Excellent Α 4.0 A-37 B+ 3.3 Good B 3.0 2.7 C+ 2.3 Satisfactory C 1.7 Poor D+ 1.3 Minimal Pass D Failure

Course Grades Obtained by

Course Grades Obtained by Graduate Students

Descriptor	Letter Grade	Grade Point Value
	A+	4.0
Excellent	Α	4.0
	A-	3.7
Good	B+	3.3
G000	В	3.0
Caticfactory	B-	2.7
Satisfactory	C+	2.3
	C	2.0
	C-	1.7
Failure	D+	1.3
	D	1.0
	F	0.0

Other Final Grades

AE aegrotat standing

AU registered as an auditor

AW registered as an auditor and withdrew

CR completed requirements; no grade point value assigned

EX exempt

IN incomplete

IP course in progress

IP* withdrew from or failed course in progress

NC failure, no grade point value assigned

W withdrew with permission

Remarks

- 1 grade includes a mark of '0' for final examination missed, or for term work missed, or both
- grade includes a mark of '0' for final examination missed, or for term work missed, or both, and deferred final examination granted
- 3 credit withheld
- 4 reexamination granted
- 5 failure (assigned to failing Graduate Student grades only)
- failure, grade includes a mark of '0' for final examination missed, or for term work missed, or both (assigned to failing Graduate Student grades only)
- failure, grade includes a mark of '0' for final examination missed, or for term work missed, or both, and deferred final examination granted (assigned to failing Graduate Student grades only)
- 8 disciplinary sanction for serious instances of inappropriate academic behavior
- 9 failure, disciplinary sanction for serious instances of inappropriate academic behavior (assigned in the same circumstances as the remark of 8 but to failing Graduate Student grades only)

The 9-Point Grading System (before September 2003)

Course Grades Obtained by Undergraduate Students 9 Outstanding		Course Grades Obtained by Graduate Students					
Pass	8 Excellent 7 Very Good 6 Good 5 Satisfactory 4 Minimally acceptable	9 Excellent 8 7 Good Pass 6 Satisfactory Fail 5					
Fail	3 Unsatisfactory 2	Unsatisfactory					

Note: Effective September 1986, a grade of 3 is a failing grade for undergraduate students. Before September 1986, credit might be conceded by a Faculty for a grade of 3 in an individual course if warranted by a student's overall record.

Effective July 1989, a grade of 5 is a failing grade for graduate students. Before July 1989, credit might be conceded by the Faculty of Graduate Studies and Research for a grade of 4 or 5 in an individual course if warranted by a student's overall record.

Other Final Grades

AB absent from final examination

ABF absent from final examination, failed, results in a grade of 1

AE aegrotat standing

AU registered as an auditor

AW registered as an auditor and withdrew

CR completed requirements; no numeric grade assigned

DB debarred from final exam

DW did not write

EX exempt

F failure; no numeric grade assigned

H pass with honors standing

IN incomplete

INF incomplete, failed

IP course in progress

IP* withdrew from or failed course in progress

RC registration cancelled

W withdrew with permission

WF withdrew failing, results in a grade of 1

Remarks

- A indicates missed final examination, term work missed, or both
- B grade includes '0' for missed term work and final examination
- C credit conceded
- D granted a deferred final examination
- F failure
- FI failed, inappropriate academic behavior
- N credit withheld
- R granted a reexamination
- S failure, supplemental granted
- X student failed to complete a significant part of term work



OFFICE OF THE REGISTRAR

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Student Name: (Surname last) Matthew Troy Regehr

ID Number:

1529019

15-Nov-2021 Date of Issue:

Registrar

Month and Day of Birth: March 11 Winter Term 2018

BSc with Specialization Mathematics - Computational Science

EAT!				ALBERTA • UNIVERSITY OF ALBERTA • UNIVERSITY OF NIVERSITY OF ALBERTA • UNIVERSITY OF ALBERTA • U	Grade	Units	UNIVERSIT	nits		Grade	RSITY	Class	Class
C	ourse	BERSITY	OF.	Description TY OF ALBERTA * UNIVERSITY OF	Remark	Taken	Pa	ssed	BSIT	Points	RIA of	Avg	Enrl
C	MPUT	272		FORMAL SYSTEMS & LOGIC OF ALBERTA . U	A+RSITY	OF ALBOARO		3.0		12.00		2.4	89
E	CON	101		INTRODUCTION TO MICROECONOMICS	A+	UNIVERSIST. 0		3.0		12.00		2.8	197
G	ERM	212		INTERMEDIATE GERMAN II	A+	3.0		3.0		12.00		3.1	24
RM	ATH	118		HONORS CALCULUS II ERSHY OF ALBERTA - U	A+RSITY	OF ALBEINO		3.0		12.00		2.9	24
M	ATH	227		HONORS LINEAR ALGEBRA II WERSITY OF	A A SERTA -	UNIVERSIBY, OF		3.0		12.00		2.8	OF AL20 IA
				NIVERSITY OF ALBERTA . UNIVERSITY OF ALBERTA . U	TOTALS	15.0		15.0		60.00			

GPA: 119.10 grade points / 30.0 units taken = 4.0 First Class Standing MIVERSITY OF ALBERTA . UNIVERSITY

September, 2018: Admitted to the Faculty of Science, Bachelor of Science with Honors program, Computing

September 04, 2018: Granted credit in courses (units) GERM 303 (3.00) for work completed at Saint Mary's University, Halifax, NS, 2018. Total units 3.00.

September 04, 2018: Granted credit in all courses successfully completed at this University, 2017-2018. (30.0) Total units 30.00

Fall Term 2018

BSc Honors Computing Science

		Grade	Units	Units	Grade	Class	Class
Course	Description	Remark	Taken	Passed	Points	Avg	Enrl
CMPUT 201	PRACTICAL PROG METHODOLOGY	A+	3.0	3.0	12.00	1.9	77
CMPUT 204	ALGORITHMS I	A+	3.0	3.0	12.00	3.0	96
CMPUT 495	HONORS SEMINAR	CR	0.0	0.0	0.00	XXX	107
MATH 217	HONORS ADVANCED CALCULUS I	A+	3.0	3.0	12.00	2.4	17
MATH 322	GRAPH THEORY	A+	3.0	3.0	12.00	2.3	101
STAT 265	STATISTICS I	A+	3.0	3.0	12.00	2.6	168
		TOTALS	15.0	15.0	60.00		

Winter Term 2019

BSc Honors Computing Science

ERTA - UNIVERSITY OF ALBERTA - UNIVERSIT	Grade	Units	Units	Grade	Class	Class	
Course BERNA Description	Remark	Taken	Passed	Points	Avg	Enrl	
CMPUT 229 CMPUT ORG/ARCHITECTURE I	A+	3.0	3.0	12.00	*UN2.28	Y OF ALIST	
CMPUT 291 FILE AND DATABASE MANAGE	MENT A+	3.0	3.0	12.00	2.9	123	
MA PH 464 GROUP THEORY IN PHYSICS	A+	3.0	0.0	12.00	3.2	23	
ENTA - UNIVERSITY OF ALBERT Extra to Degree				SITY OF ALBERTA			
MATH 317 HONORS ADVANCED CALCULUS	II A+	3.0	3.0	12.00	TY OF 31.3 RT	A . UNIVIIS	
WRS 102 WRITING IN THE DISCIPLIN	ES A+	3.0	3.0	12.00	2.8	193	
	TOTALS	15.0	12 0	60 00			

GPA: 120.00 grade points / 30.0 units taken = 4.0 First Class Standing

Fall Term 2019

BSc Honors Computing Science

Course	Description OF ALBERTA * UNIVERSITY OF ALBERTA * UNIVE	Grade Remark	Units Taken	Units Passed	BERTA TINIVERS	Class*	Class Enrl
CMPUT 304	WHALGORITHMS HIA . UNIVERSITY OF ALBERTA . U	NA+RSITY	OF ALBERSA O	JNIVERSITY 3.0	BERTA 12.00	TV 0 3.3	A - UM 33 STY 6
CMPUT 397	TOPICS IN COMPUTING SCIENCE STY OF	A+RTA .	UNIVERSI3.0	ALBERTA . 3.0	ERSITY 12.00 RT	A . UN 2.5	YOFA118TA
	Reinforcement Learning						
CMPUT 466	MACHINE LEARNING	A+	3.0	ALBERTA 3.0	12.00	3.2	39
MATH 324	ELEMENTARY NUMBER THEORY	A+BTA	UNIVERSI3.0	ALBERTA - 3.0	12.00	2.4	V OF AL 16 TA -
MATH 411	HONORS COMPLEX VARIABLES ALBERTA - U	MACRSITY	OF ALBERSA OL	JNIVERSITY 3.0	BERTA 11.10RS	2.9	A - UNIV120-0
		TOTALS	15.0	ALBERTA 15NO	59 10 T		

(Continued on next page)



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are assigned to section B of the course. Half courses normally consist of 3.0 units and include three hours of instruction per week. Engineering courses have units assigned to them based on hours of instruction and may deviate from the norm.

Grade Point Average (GPA): The Grade Point Average (GPA) is a measure of a student's weighted average, obtained by dividing the total number of grade points earned by the total units of course weight attempted. Courses graded using grades of CR or NC, or from which students have withdrawn or have audited, are not calculated into the GPA. For more information, see the *University Calendar*.

Re-registration Policy: The university's re-registration policy, effective September 1988, does not normally allow students to repeat courses already passed or for which transfer credit has been granted. For more information, see the *University Calendar*.

The Letter Grading System (effective September 2003)

Undergraduate Students Descriptor Letter Grade Grade Point Value A+ 40 Excellent A 4.0 A. 3.7 B+ 3.3 Good В 3.0 R-2.7 C+ 2.3 Satisfactory C 2.0 1.7 Poor D+ 13 Minimal Pass D 1.0

Course Grades Obtained by

Course Grades Obtained by Graduate Students

Descriptor	Letter Grade	Grade Point Value		
	A+	4.0		
Excellent	Α	4.0		
	A-	3.7		
Card	B+	3.3		
Good	В	3.0		
Catiafaataa	B-	2.7		
Satisfactory	C+	2.3		
	C	2.0		
	C-	1.7		
Failure	D+	1.3		
	D	1.0		
	F	0.0		

The 9-Point Grading System (before September 2003)

	Course Grades Obtained by Undergraduate Students			Course Grades Obtained by Graduate Students					
Pass	9 Outstandir 8 Excellent 7 Very Good 6 Good 5 Satisfactor 4 Minimally		Pass Fail	9 Excellen 8 7 Good 6 Satisfac					
Fail	3 Unsatisfac 2 1	tory	_	3 Unsatisf	actory				

Note: Effective September 1986, a grade of 3 is a failing grade for undergraduate students. Before September 1986, credit might be conceded by a Faculty for a grade of 3 in an individual course if warranted by a student's overall record.

Effective July 1989, a grade of 5 is a failing grade for graduate students. Before July 1989, credit might be conceded by the Faculty of Graduate Studies and Research for a grade of 4 or 5 in an individual course if warranted by a student's overall record.

Other Final Grades

- AE aegrotat standing
- AU registered as an auditor
- AW registered as an auditor and withdrew
- CR completed requirements; no grade point value assigned

0.0

EX exempt

Failure

- IN incomplete
- IP course in progress
- IP* withdrew from or failed course in progress
- NC failure, no grade point value assigned
- W withdrew with permission

Remarks

- 1 grade includes a mark of '0' for final examination missed, or for term work missed, or both
- 2 grade includes a mark of '0' for final examination missed, or for term work missed, or both, and deferred final examination granted
- 3 credit withheld
- 4 reexamination granted
- 5 failure (assigned to failing Graduate Student grades only)
- failure, grade includes a mark of '0' for final examination missed, or for term work missed, or both (assigned to failing Graduate Student grades only)
- failure, grade includes a mark of '0' for final examination missed, or for term work missed, or both, and deferred final examination granted (assigned to failing Graduate Student grades only)
- 8 disciplinary sanction for serious instances of inappropriate academic behavior
- 9 failure, disciplinary sanction for serious instances of inappropriate academic behavior (assigned in the same circumstances as the remark of 8 but to failing Graduate Student grades only)

Other Final Grades

- AB absent from final examination
- ABF absent from final examination, failed, results in a grade of 1
- AE aegrotat standing
- AU registered as an auditor
- AW registered as an auditor and withdrew
- CR completed requirements; no numeric grade assigned
- DB debarred from final exam
- DW did not write
- EX exempt
- F failure; no numeric grade assigned
- H pass with honors standing
- IN incomplete
- INF incomplete, failed
- IP course in progress
- IP* withdrew from or failed course in progress
- RC registration cancelled
- W withdrew with permission
- WF withdrew failing, results in a grade of 1

Remarks

- A indicates missed final examination, term work missed, or both
- B grade includes '0' for missed term work and final examination
- C credit conceded
- D granted a deferred final examination
- F failure
- FI failed, inappropriate academic behavior
- N credit withheld
- R granted a reexamination
- S failure, supplemental granted
- X student failed to complete a significant part of term work



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Matthew Troy Regehr

ID Number:

1529019

Registrar ate of Issue: 15-Nov-2023

Month and Day of Birth: March 11

In response to the disruption caused by the global COVID-19 pandemic, the University of Alberta adopted mandatory Credit/No Credit grades for the Winter 2020 term. This was applied universally with no option for letter grades. Students, with grades of CR have met the requirements of the course, whereas students with NC have not. In either instance, these grades do not contribute to a GPA calculation. If a letter grade is present for the Winter 2020 term, it was approved prior to the change.

Winter Term 2020

BSc Honors Computing Science

Course CMPUT 379	Description OF ALBERTA & UNIVERSITY OR ALBERTA & UNIVERSITY OF ALBERTA & UNIVERSITY OF ALBERTA & UNIVE	Grade Remark	Units Taken	Units Passed	Grade Points	Class	Class Enrl
CMPUT 455	OPERATING SYSTEM CONCEPTS A BERIA DE CONCEPTS	CRASITY	ALBEI3.0 UM	VERSITY 3.0 LEEP	0.00	XXX	60
MATH 336	SEARCH, KNOWLEDGE, SIMULATION HONS ORDINARY DIFF EQUATIONS	ACRIBIA - UI	WIVERSI3Y. OF AL	BERTA . 3NO ERSI	TY 00.00 RD	V UNXXX	OF A154
MATH 417	HONORS REAL VARIABLES I	CR	ALBEI 3.0 DA	BERTA 3.0 BER	0.00	XXX	12
STAT 371	PROB & STOCHASTIC PROCESSES	CR CR	3.0	3.0 BEF	0.00	XXX	20
	NIVERSITY OF ALBERTA	TOTALS	3.0 15.0	3.0	TY 00.00	XXX	OF AL 74
CDA FO TO	ALCICITA WINDSHIP CONTROL OF THE CON	TOTALLO	13.0	15.0	0.00		

GPA: 59.10 grade points / 15.0 units taken = 3.9 First Class Standing

Fall Term 2020

BSc Honors Computing Science

Cours	CONTRACTOR OF THE REAL PROPERTY.	ALBERTA UNIVERSITY Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class	Class
CMPUT	ALTERNA - I	INTRO TO COMPUTER GRAPHICS	A+	3.0	3.0	12.00	2.5	17
CMPUT		PROBABILISTIC GRAPHICAL MODELS	A+	3.0	3.0	12.00	TY OF 3.7	TA - UNIVERSI
CMPUT	CONTRACTOR OF THE PARTY OF THE	HONORS SEMINAR	CR	0.0	0.0	0.00	XXX	204
CMPUT	ALBERTA & I	TOPICS IN CMPUT SCIENCE	A+	3.0	3.0	12.00	4.0	Y OF ALBEIT
ERTA MINI	VERSITY OF	Learning Agent State in Rein	forcement	Learning	1		TY OF ALBER	TA . UNIVERSI
MATH	418	HONORS REAL VARIABLES II	A	3.0	3.0	12.00	3.1	Y OF ALBERT
ENSTAIN	471	PROBABILITY I	A+	3.0	3.0	12.00	2.8	37
ERTA . UNI			TOTALS	15.0	15.0	60.00	TY OF ALBER	A UNIVERSI

Winter Term 2021

BSc Honors Computing Science

Course Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class	Class
CMPUT 340 OF INTRO NUMERICAL METHODS	A+ /	3.0	3.0	12.00	3.2	60
CMPUT 474 FORMAL LANG, AUTOMATA, CMPUT	A+	3.0	3.0	12.00	TV OF 3 . 5	A UNIV35SIT
CMPUT 653 TOPICS ARTIFICIAL INTELLIGENCE		3.0	3.0	12.00	A - UNIZEIGST	Y OF ALTIOTA
Theoretical Foundations of	Reinforceme	nt Learning		A FUNIVERS	TV.OF ALBERT	A · UNIVERSIT
MATH 326 RINGS AND MODULES	A	3.0	3.0	12.00	2.1	20
MATH 447 ELEMENTARY TOPOLOGY	A	3.0	3.0	12.00	- UN3 2	Y OF AL 21
GPA: 120.00 grade points / 30.0 units taken	TOTALS	15.0	15.0	60.00	TY OF ALBERT	A . UNIVERSIT
First Class Standing WEBSITY OF ALBERTA	7.0					

Page 3 End of Transcript



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Course Grades Obtained by **Undergraduate Students** Descriptor Letter Grade Grade Point Value 4.0 A+ Excellent A 4.0 37 A. B+ 3.3 Good B 3.0 2.7 C+ 2.3 Satisfactory C 2.0 1.7 Poor 1.3 Minimal Pass D Failure 0.0

Course Grades Obtained by Graduate Students

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Good	B+	3.3
	В	3.0
Satisfactory	B-	2.7
	C+	2.3
Failure	C	2.0
	C-	1.7
	D+	1.3
	D	1.0
	F	0.0

The 9-Point Grading System (before September 2003)

Course Grades Obtained by Undergraduate Students			Course Grades Obtained by Graduate Students			
	9 Outstanding8 Excellent7 Very Good6 Good	Pass	9] Excellent 8 7 Good			
Pass	5	Satisfactory Minimally acceptable	Fail	5 4		
Fail	3 2 1	Unsatisfactory	_	3 2	Unsatisfactory	

Note: Effective September 1986, a grade of 3 is a failing grade for undergraduate students. Before September 1986, credit might be conceded by a Faculty for a grade of 3 in an individual course if warranted by a student's overall record.

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AW registered as an auditor and withdrew

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EX exempt

IN incomplete

IP course in progress

IP* withdrew from or failed course in progress

NC failure, no grade point value assigned

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Remarks

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- 6 failure, grade includes a mark of '0' for final examination missed, or for term work missed, or both (assigned to failing Graduate Student grades only)
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H pass with honors standing

IN incomplete

INF incomplete, failed

IP course in progress

IP* withdrew from or failed course in progress

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W withdrew with permission

WF withdrew failing, results in a grade of 1

Remarks

- A indicates missed final examination, term work missed, or both
- B grade includes '0' for missed term work and final examination
- C credit conceded
- D granted a deferred final examination
- F failure
- FI failed, inappropriate academic behavior
- N credit withheld
- R granted a reexamination
- S failure, supplemental granted
- X student failed to complete a significant part of term work