

Name: Jules van Irsel
 Student ID: 10149941
 Birthdate: Jul 29
 Print Date: 2025-01-27

University of Calgary - Record of Course Work

Reason: WEB

Winter 2015

Program: Science Bachelor
 Bachelor of Science (Degree Stream)
 Physics (Major)

----- Credential Awarded -----

Credential: Bachelor of Science (Honours)
 Conferral: 2018-06-04
 First Class
 Major: Astrophysics

Course	Description	Attempted	Earned	Grade	Points
ASPH 213	Introduction To Astrophysics	3.00	3.00	A	12.000
CPSC 217	Intro CPSC Multidisc Study I	3.00	3.00	A-	11.100
MATH 267	University Calculus II	3.00	3.00	B+	9.900
PHYS 255	Electromagnetic Theory I	3.00	3.00	A	12.000
STAS 327	Science In Society	3.00	3.00	B	9.000
Term GPA:	3.60	Term Totals:	15.00	15.00	54.000

----- Awards and Scholarships -----

2017 P.U.R.E. (Program for Undergraduate Research Experience) Award

Fall 2015

Program: Science Bachelor
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 Physics (Major)

----- Beginning of Undergraduate Programs Record -----

----- Transfer Credits -----

Transfer Credit from SAIT
 Evaluated based on the Science Bachelor Program

Fall 2014

Course	Description	Attempted	Earned	Grade	Points
CPSC 203	Intro Problem Solve Appl Soft	3.00	3.00	A+	
ENGG 249	Dynamics	3.00	3.00	A+	

Total Transfer Units: 6.000

Course	Description	Attempted	Earned	Grade	Points
ASPH 307	Intro to Observational ASPH	3.00	3.00	A-	11.100
MATH 177	Further Topics from Math 277	0.75	0.75	CR	
MATH 311	Linear Methods II	3.00	3.00	A	12.000
MATH 375	Diff Equations Eng & Scie	3.00	3.00	B+	9.900
PHYS 341	Classical Mechanics I	3.00	3.00	A	12.000
Term GPA:	3.75	Term Totals:	12.75	12.75	45.000

Winter 2016

Program: Science Bachelor
 Bachelor of Science (Degree Stream)
 Physics (Major)

----- Other Credits -----

Evaluated based on the Science Bachelor Program

Fall 2014

Course	Description	Attempted	Earned	Grade	Points
OPTN 2XX	OPTN 2XX	12.00	12.00	TR	
OPTN 2XX	OPTN 2XX	12.00	12.00	TR	

Total Transfer Units: 24.000

Course	Description	Attempted	Earned	Grade	Points
CHEM 201	Gen CHEM:Structure & Bonding	3.00	3.00	A-	11.100
MATH 377	Vector Calc for Eng & Scie	3.00	3.00	A	12.000
PHYS 325	Modern Physics	3.00	3.00	A+	12.000
PHYS 343	Classical Mechanics II	3.00	3.00	A	12.000
PHYS 381	Computational Physics I	3.00	3.00	A	12.000
Term GPA:	3.94	Term Totals:	15.00	15.00	59.100

Dean's List - Faculty of Science

----- Course Work -----

Fall 2014

Program: Science Bachelor
 Bachelor of Science (Degree Stream)
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Course	Description	Attempted	Earned	Grade	Points
ANTH 311	Primate Behaviour	3.00	3.00	B	9.000
MATH 211	Linear Methods I	3.00	3.00	B+	9.900
MATH 265	University Calculus I	3.00	3.00	B	9.000
PHYS 227	Classical Physics	3.00	3.00	A	12.000
Term GPA:	3.32	Term Totals:	12.00	12.00	39.900

Fall 2016

Program: Science Bachelor
 Bachelor of Science - Honours (Degree Stream)
 Astrophysics (Major)

Course	Description	Attempted	Earned	Grade	Points
AMAT 433	Mathematical Methods in Phys	3.00	3.00	A-	11.100
ASPH 401	Galactic Astrophysics	3.00	3.00	A	12.000
PHYS 449	Statistical Mechanics I	3.00	3.00	A	12.000
PHYS 455	Electromagnetic Theory II	3.00	3.00	A+	12.000
Term GPA:	3.92	Term Totals:	12.00	12.00	47.100

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Winter 2017

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 Astrophysics (Major)

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ASPH 409	Planetary Astrophysics	3.00	3.00	A	12.000
PHYS 443	Quantum Mechanics I	3.00	3.00	A+	12.000
PHYS 451	Statistical Mechanics II	3.00	3.00	A	12.000
PHYS 457	Electromagnetic Theory III	3.00	3.00	A+	12.000
Term GPA:	4.00	Term Totals:	12.00	12.00	48.000

Dean's List - Faculty of Science

Spring 2017

Program: Science Bachelor
 Bachelor of Science - Honours (Degree Stream)
 Astrophysics (Major)

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
RVST 598	Undergraduate Research Project		0.00	CR	
Course Topic:	PURE Awards				
	Term Totals:	0.00	0.00		

Fall 2017

Program: Science Bachelor
 Bachelor of Science - Honours (Degree Stream)
 Astrophysics (Major)

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ASPH 503	The Interstellar Medium	3.00	3.00	A+	12.000
PHYS 375	Introduction to Optics & Waves	3.00	3.00	A+	12.000
PHYS 543	Quantum Mechanics II	3.00	3.00	A-	11.100
PHYS 598A	Honours Research Thesis		0.00	MT	
Term GPA:	3.90	Term Totals:	9.00	9.00	35.100

Winter 2018

Program: Science Bachelor
 Bachelor of Science - Honours (Degree Stream)
 Astrophysics (Major)

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ASPH 403	Stellar Structure & Evolution	3.00	3.00	A	12.000
ASPH 509	HighEnergyAstrophys&Cosmology	3.00	3.00	A	12.000
PHYS 501	Special Relativity	3.00	3.00	A+	12.000
PHYS 598B	Honours Research Thesis	6.00	6.00	A	24.000
Term GPA:	4.00	Term Totals:	15.00	15.00	60.000

Dean's List - Faculty of Science

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