

Name: Hemanto Bairagi
 Student ID: 30030922
 Birthdate: Mar 01
 Print Date: 2025-10-12

University of Calgary - Record of Course Work

Reason: WEB

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

Credential: Bachelor of Science (Honours)
 Conferral: 2021-02-12
 Major: Astrophysics
 Major: Physics

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

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

Transfer Credit from Athabasca University
 Evaluated based on the Science Bachelor Program

Summer 2019

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
CHEM 201	Gen CHEM:Structure & Bonding	3.00	3.00	B	
GEOG 211	The Physical Environment	3.00	3.00	A-	

Total Transfer Units: 6.000

----- Test Credits -----

Evaluated based on the Science Bachelor Program

Fall 2016

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
PHYS 2XX	PHYS 2XX	6.00	6.00	CR	

Total Transfer Units: 6.000

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

Fall 2016

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

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ARKY 201	Introduction To Archaeology	3.00	3.00	B	9.000
GERM 202	German I	3.00	3.00	A-	11.100
MATH 275	Calculus for Engineers & Scie	3.00	3.00	B	9.000
PHYS 227	Classical Physics	3.00	3.00	B	9.000
Term GPA:	3.17	Term Totals:	12.00	12.00	38.100

Winter 2017

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

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ASPH 213	Introduction To Astrophysics	3.00	3.00	B+	9.900
CPSC 217	Intro CPSC Multidisc Study I	3.00	0.00	D+	
MATH 211	Linear Methods I	3.00	3.00	C	6.000
MATH 277	Multivariable Calc Eng & Scie	3.00	3.00	B-	8.100
PHYS 255	Electromagnetic Theory I	3.00	3.00	A	12.000
Term GPA:	2.66	Term Totals:	15.00	12.00	39.900

Spring 2017

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

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
MATH 311	Linear Methods II	3.00	3.00	B+	9.900
Term GPA:	3.30	Term Totals:	3.00	3.00	9.900

Fall 2017

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

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ASPH 307	Intro to Observational ASPH	3.00	3.00	B+	9.900
MATH 375	Diff Equations Eng & Scie	3.00	3.00	C	6.000
PHYS 341	Classical Mechanics I	3.00	3.00	B+	9.900
PHYS 375	Introduction to Optics & Waves	3.00	3.00	C+	6.900
PHYS 397	Applied Physics Laboratory I	3.00	3.00	A-	11.100
Term GPA:	2.92	Term Totals:	15.00	15.00	43.800

Winter 2018

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

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
CHEM 203	Gen CHEM:Change & Equil	3.00	3.00	B	9.000
Req Designation:	Extra to Degree				
GERM 204	German II	3.00	0.00	W	
MATH 377	Vector Calc for Eng & Scie	3.00	3.00	A-	11.100
PHYS 325	Modern Physics	3.00	3.00	A	12.000
PHYS 343	Classical Mechanics II	3.00	3.00	B-	8.100
Term GPA:	3.35	Term Totals:	12.00	12.00	40.200

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Spring 2018

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 Bachelor of Science (Degree Stream)
 Astrophysics (Major)
 Physics (Major)

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
CPSC	217	Intro CPSC Multidisc Study I	3.00	3.00	B+	9.900
ECON	201	Principles Of Microeconomics	3.00	3.00	A	12.000
Term GPA:		3.65	Term Totals:	6.00	6.00	21.900

Summer 2018

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ECON	203	Principles Of Macroeconomics	3.00	3.00	B	9.000
PHIL	377	Elementary Formal Logic	3.00	3.00	B	9.000
Term GPA:		3.00	Term Totals:	6.00	6.00	18.000

Fall 2018

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ASPH	401	Galactic Astrophysics	3.00	3.00	A-	11.100
MATH	433	Mathematical Methods Physics	3.00	3.00	A	12.000
PHYS	449	Statistical Mechanics I	3.00	3.00	A-	11.100
PHYS	455	Electromagnetic Theory II	3.00	3.00	B	9.000
Term GPA:		3.60	Term Totals:	12.00	12.00	43.200

Winter 2019

Program: Science Bachelor
 Bachelor of Science (Degree Stream)
 Astrophysics (Major)
 Physics (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	B+	9.900
PHYS	381	Computational Physics I	3.00	3.00	A-	11.100
PHYS	443	Quantum Mechanics I	3.00	3.00	A-	11.100
PHYS	457	Electromagnetic Theory III	3.00	3.00	B-	8.100
PHYS	497	Applied Physics Laboratory II	3.00	3.00	A-	11.100
Term GPA:		3.42	Term Totals:	15.00	15.00	51.300

Fall 2019

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
PHYS	481	Computational Physics II	3.00	3.00	A-	11.100
PHYS	507	Solid State Physics	3.00	3.00	A+	12.000
PHYS	543	Quantum Mechanics II	3.00	3.00	A-	11.100
PHYS	597	Senior Physics Laboratory	3.00	3.00	A	12.000
PHYS	598A	Honours Research Thesis		0.00	MT	
Term GPA:		3.85	Term Totals:	12.00	12.00	46.200

Winter 2020

Program: Science Bachelor
 Bachelor of Science - Honours (Degree Stream)
 Astrophysics (Major)
 Physics (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	CR	
ASPH	509	HighEnergyAstrophys&Cosmology	3.00	3.00	CR	
PHYS	451	Statistical Mechanics II	3.00	3.00	B+	9.900
PHYS	501	Relativity	3.00	3.00	A	12.000
PHYS	598B	Honours Research Thesis	6.00	6.00	CR	
Term GPA:		3.65	Term Totals:	18.00	18.00	21.900

Dean's List - Faculty of Science

----- End of Transcript -----