

Sean Riedel
+1 (303) 243-2252 | sriedel@ucsc.edu | [website](#)

Summary: I am a PhD student in Applied Mathematics at the University of California, Santa Cruz. My research interests are in fluid dynamics, computational fluid dynamics, computational physics, and high energy density physics.

Education

B.S. in Mathematics, University of California, Santa Cruz June 2021

- Minor in Physics
- GPA 3.9
- Member of the NCAA Cross Country and Track teams.

PhD Student, University of California, Santa Cruz September 2021 - Present

- My research focuses on using the [FLASH code](#) to model the interaction of collimator materials in fourth generation storage rings with high energy electron beams.
- Advisor: Professor Dongwook Lee.

Experience

Graduate Student Intern, Los Alamos National Laboratory (LANL) Summer 2022

- Ran 1D inertial confinement fusion (ICF) simulations on HPC machines using a Lagrangian hydrodynamics code with the goal of modeling a high yield ICF shot.
- Produced useful data for code to code verification with other codes capable of ICF simulations.

Teaching Assistant, University of California, Santa Cruz September 2021 - June 2022

- Held discussion sections and office hours to support student success. Graded and provided feedback to students' exams and homework assignments.
- Courses supported: Multivariate Calculus for Engineers (two quarters), Mathematical Methods for Economists II.

Summer Intern, [Los Alamos National Laboratory X Computational Physics Division](#) Summer 2021

- Implemented the Rutherford scattering model in a large, C++, Monte Carlo charged particle transport (CPT) code library.
- Performed code to code verification using two other CPT codes at the laboratory.

Math and Physics Tutor, UCSC Learning Support Services 2019 - 2021

- Conducted 3 weekly small group tutoring sessions focused on engagement of students.
- Prepared weekly planning sheets with detailed activities.
- Courses tutored for include: Waves and Optics, Real Analysis, Abstract Algebra, Linear Algebra, Vector Calculus, and Discrete Mathematics.

Undergraduate Researcher, [Polymath Research Experience for Undergraduates](#) Summer 2020

- Developed a visualization tool for representing convex geometries using circles in the plane.
- Contributor on a [paper](#) with cohort of 12 students and our mentor Professor Kira Adaricheva.

Program Mentor, UCSC Learning Support Services 2019

- Trained and mentored other tutors.
- Conducted quarterly performance reviews of other tutors.

Skills

Programming: Matlab, Python, Fortran, Git, Bash.

HPC: Experienced in using supercomputers to run code in parallel, particularly large hydrocodes.

L^AT_EX: Proficient in mathematical and scientific document typesetting.

Honors

Male Scholar Athlete of the Year, [Coast-To-Coast Athletic Conference](#) 2022 - 2023

Highest Honors in Major of B.S. in Mathematics, University of California, Santa Cruz June 2021

*** UNOFFICIAL ***

Name: Riedel, Sean Michael
Student ID: 1628611

Institution Info: University of California, Santa Cruz
1156 High Street
Santa Cruz, CA 95064

Degrees Awarded

Degree: Bachelor of Science
Confer Date: 06/10/2021
Degree Honors: University Honor, Magna cum laude
Plan: BS in Mathematics with Highest Honors
Plan: Minor in Physics
Plan: Rachel Carson College

Test Credits:

Test Credits Applied Toward Undergraduate Program

Test Trans GPA:	0.000	Transfer Totals:	Attempted 40.000	Earned 40.000	Points 0.000
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Beginning of Undergraduate Record

2017 Fall Quarter

Program: Undergraduate
Plan: Physics (Astrophysics)
Plan: Rachel Carson College

Course	Description	Attempted	Earned	Grade	Points
CRSN 80A	UD:Environ/Society	5.00	5.00	A+	20.000
CRSN 81A	Environment and Us	3.00	3.00	A	12.000
MATH 21	Linear Algebra	5.00	5.00	A	20.000
MATH 23A	Vector Calculus	5.00	5.00	A-	18.500
PHYS 5L	Intro Phys I Lab	1.00	1.00	A	4.000

Term Honor: Dean's Honors

Academic Standing Effective 02/13/2018: Good Standing

		Attempted	Earned	GPA Units	Points
Term GPA	3.92	Term Totals	19.00	19.00	74.500
Transfer Term GPA		Transfer Totals	40.00	40.00	0.000
Combined GPA	3.92	Comb Totals	59.00	59.00	19.00 74.500
Cum GPA	3.92	Cum Totals	19.00	59.00	19.00 74.500
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00 0.000
Combined Cum GPA	3.92	Comb Totals	59.00	59.00	19.00 74.500

2018 Winter Quarter

Program: Undergraduate
Plan: Physics (Astrophysics)
Plan: Rachel Carson College

Course	Description	Attempted	Earned	Grade	Points
MATH 23B	Vector Calculus	5.00	5.00	A+	20.000
PHYS 5B	Intro Physics II	5.00	5.00	A+	20.000
PHYS 5M	Intro Phys II Lab	1.00	1.00	A	4.000
PHYS 9A	Intro Research Phys	2.00	2.00	A	8.000
WRIT 2	Rhetoric & Inquiry	5.00	5.00	A	20.000

Term Honor: Dean's Honors

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Name: Riedel, Sean Michael
Student ID: 1628611

Academic Standing Effective 03/24/2018: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	18.00	18.00	18.00	72.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	18.00	18.00	18.00	72.000
Cum GPA	3.95	Cum Totals	37.00	77.00	37.00	146.500
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.95	Comb Totals	77.00	77.00	37.00	146.500

2018 Spring Quarter

Program: Undergraduate
Plan: Physics (Astrophysics)
Plan: Rachel Carson College

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ASTR	119	Intro Sci Computing	5.00	5.00	A+	20.000
COWL	89	Fac Research Colloq	2.00	2.00	P	0.000
MATH	100	Intr Proof/Prb Solv	5.00	5.00	A+	20.000
PHYS	5N	Intro Phys III Lab	1.00	1.00	A	4.000
PHYS	9B	Intro Research Phys	3.00	3.00	A+	12.000

Term Honor: Dean's Honors

Academic Standing Effective 06/17/2018: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	16.00	16.00	14.00	56.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	16.00	16.00	14.00	56.000
Cum GPA	3.97	Cum Totals	53.00	93.00	51.00	202.500
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.97	Comb Totals	93.00	93.00	51.00	202.500

2018 Summer Quarter

Program: Undergraduate
Plan: Physics (Astrophysics)
Plan: Rachel Carson College

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
MATH	103A	Complex Analysis	5.00	5.00	A+	20.000

Academic Standing Effective 08/31/2018: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	5.00	5.00	5.00	20.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	5.00	5.00	5.00	20.000
Cum GPA	3.97	Cum Totals	58.00	98.00	56.00	222.500
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.97	Comb Totals	98.00	98.00	56.00	222.500

2018 Fall Quarter

Program: Undergraduate
Plan: Physics (Astrophysics)
Plan: Rachel Carson College

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
MATH	24	Ordinary Diff Equas	5.00	5.00	A+	20.000
MATH	105A	Real Analysis	5.00	5.00	A	20.000
PHYS	5D	Intro Physics IV	5.00	5.00	A	20.000

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Name: Riedel, Sean Michael
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Term Honor: Dean's Honors
Academic Standing Effective 12/14/2018: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	15.00	15.00	15.00	60.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	15.00	15.00	15.00	60.000
Cum GPA	3.97	Cum Totals	73.00	113.00	71.00	282.500
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.97	Comb Totals	113.00	113.00	71.00	282.500

2019 Winter Quarter

Program: Undergraduate
Plan: Physics (Astrophysics)
Plan: Rachel Carson College

Course		Description	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
MATH	110	Intro Number Theory	5.00	5.00	A+	20.000
PHYS	102	Modern Physics	5.00	5.00	A	20.000
STEV	96	Peer Tutoring	2.00	2.00	P	0.000

Academic Standing Effective 03/22/2019: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	12.00	12.00	10.00	40.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	12.00	12.00	10.00	40.000
Cum GPA	3.98	Cum Totals	85.00	125.00	81.00	322.500
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.98	Comb Totals	125.00	125.00	81.00	322.500

2019 Spring Quarter

Program: Undergraduate
Plan: BA in Mathematics
Subplan: (Pure Mathematics)
Plan: Rachel Carson College

Course		Description	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
HIS	15	US His for NonMajors	5.00	5.00	P	0.000
MATH	105B	Real Analysis	5.00	5.00	B-	13.500
MATH	117	Adv Linear Algebra	5.00	5.00	A+	20.000

Academic Standing Effective 06/13/2019: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.35	Term Totals	15.00	15.00	10.00	33.500
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.35	Comb Totals	15.00	15.00	10.00	33.500
Cum GPA	3.91	Cum Totals	100.00	140.00	91.00	356.000
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.91	Comb Totals	140.00	140.00	91.00	356.000

2019 Fall Quarter

Program: Undergraduate
Plan: BA in Mathematics
Subplan: (Pure Mathematics)
Plan: Rachel Carson College

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Course	Description	Attempted	Earned	Grade	Points
FILM 80S	Sp Top Film/Dig Med	5.00	5.00	P	0.000
MATH 111A	Algebra	5.00	5.00	A+	20.000
MATH 124	Intro To Topology	5.00	5.00	A+	20.000

Term Honor: Dean's Honors

Academic Standing Effective 12/11/2019: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	15.00	15.00	10.00	40.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	15.00	15.00	10.00	40.000
Cum GPA	3.92	Cum Totals	115.00	155.00	101.00	396.000
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.92	Comb Totals	155.00	155.00	101.00	396.000

2020 Winter Quarter

Program: Undergraduate
Plan: BA in Mathematics
Subplan: (Pure Mathematics)
Plan: Rachel Carson College

Course	Description	Attempted	Earned	Grade	Points
MATH 115	Graph Theory	5.00	5.00	A+	20.000
MATH 129	Algebraic Geometry	5.00	5.00	A+	20.000
PHYS 116B	Math Method Physics	5.00	5.00	A+	20.000

Term Honor: Dean's Honors

Academic Standing Effective 03/22/2020: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	15.00	15.00	15.00	60.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	15.00	15.00	15.00	60.000
Cum GPA	3.93	Cum Totals	130.00	170.00	116.00	456.000
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.93	Comb Totals	170.00	170.00	116.00	456.000

2020 Spring Quarter

Program: Undergraduate
Plan: BA in Mathematics
Subplan: (Pure Mathematics)
Plan: Rachel Carson College

Course	Description	Attempted	Earned	Grade	Points
MATH 107	Partial Diff Equas	5.00	5.00	P	0.000
MATH 111B	Algebra	5.00	5.00	A+	20.000
PHYS 105	Mechanics	5.00	5.00	A+	20.000

Term Honor: Dean's Honors

Academic Standing Effective 06/15/2020: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	15.00	15.00	10.00	40.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	15.00	15.00	10.00	40.000
Cum GPA	3.93	Cum Totals	145.00	185.00	126.00	496.000
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.93	Comb Totals	185.00	185.00	126.00	496.000

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2020 Fall Quarter

Program: Undergraduate
Plan: BS in Mathematics
Plan: Rachel Carson College

Course	Description	Attempted	Earned	Grade	Points
AM 129	Foundtns Sci Comput	5.00	5.00	A	20.000
MATH 200	Algebra I	5.00	5.00	P	0.000
PHYS 110A	Elec, Magnet, Optic	5.00	5.00	A+	20.000
SPAN 3	Spanish: First Year	5.00	5.00	P	0.000

Term Honor: Dean's Honors

Academic Standing Effective 12/21/2020: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	20.00	20.00	10.00	40.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	20.00	20.00	10.00	40.000
Cum GPA	3.94	Cum Totals	165.00	205.00	136.00	536.000
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.94	Comb Totals	205.00	205.00	136.00	536.000

2021 Winter Quarter

Program: Undergraduate
Plan: BS in Mathematics
Plan: Minor in Physics
Plan: Rachel Carson College

Course	Description	Attempted	Earned	Grade	Points
AM 213A	Numerical Linear Alg	5.00	5.00	B-	13.500
PHYS 133	Intermediate Lab	5.00	5.00	A+	20.000
SPAN 4	Spanish: Second Year	5.00	5.00	P	0.000

Academic Standing Effective 03/23/2021: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.35	Term Totals	15.00	15.00	10.00	33.500
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.35	Comb Totals	15.00	15.00	10.00	33.500
Cum GPA	3.90	Cum Totals	180.00	220.00	146.00	569.500
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.90	Comb Totals	220.00	220.00	146.00	569.500

2021 Spring Quarter

Program: Undergraduate
Plan: BS in Mathematics
Plan: Minor in Physics
Plan: Rachel Carson College

Course	Description	Attempted	Earned	Grade	Points
AM 213B	Num Mthds Diff Eq	5.00	5.00	A+	20.000
MATH 128A	Classical Geometry	5.00	5.00	P	0.000
MATH 194	Senior Seminar	5.00	5.00	A+	20.000

Term Honor: Dean's Honors

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Name: Riedel, Sean Michael
Student ID: 1628611

Academic Standing Effective 06/10/2021: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	15.00	15.00	10.00	40.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	15.00	15.00	10.00	40.000
Cum GPA	3.90	Cum Totals	195.00	235.00	156.00	609.500
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.90	Comb Totals	235.00	235.00	156.00	609.500
Undergraduate Career Totals						
Cum GPA:	3.90	Cum Totals	195.00	235.00	156.00	609.500
Transfer Cum GPA		Transfer Totals	40.00	40.00	0.00	0.000
Combined Cum GPA	3.90	Comb Totals	235.00	235.00	156.00	609.500
UC GPA:	3.90					

Non-Course Milestones

American History Requirement

Status: Completed
Program: Undergraduate

American Institutions Requirement

Status: Completed
Program: Undergraduate

Univ. of Calif. Entry Level Writing Requirement

Status: Completed
Program: Undergraduate
Date Completed: 09/26/2017

Senior Seminar in the Major

Status: Completed
Program: Undergraduate

End of *** UNOFFICIAL ***

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Name: Riedel, Sean Michael
Student ID: 1628611

Institution Info: University of California, Santa Cruz
1156 High Street
Santa Cruz, CA 95064

Degrees Awarded

Degree: Bachelor of Science
Confer Date: 06/10/2021
Degree Honors: University Honor, Magna cum laude
Plan: BS in Mathematics with Highest Honors
Plan: Minor in Physics
Plan: Rachel Carson College

Beginning of Graduate Record

2021 Fall Quarter

Program: Scientific Comp & Appl Math
Plan: MS in Scientific Computing and Applied Mathematics

Course	Description	Attempted	Earned	Grade	Points
AM 214	Applied Dynamic Sys	5.00	5.00	A+	20.000
AM 217	Intro Fluid Dynamics	5.00	5.00	A+	20.000
AM 280B	Applied Math Model	2.00	2.00	S	0.000

Academic Standing Effective 12/13/2021: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	0.00	Term Totals	12.00	12.00	10.00	40.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	0.00	Comb Totals	12.00	12.00	10.00	40.000
Cum GPA	0.00	Cum Totals	12.00	12.00	10.00	40.000
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	0.00	Comb Totals	12.00	12.00	10.00	40.000

2022 Winter Quarter

Program: Scientific Comp & Appl Math
Plan: MS in Scientific Computing and Applied Mathematics

Course	Description	Attempted	Earned	Grade	Points
AM 212A	Applied PDEs	5.00	5.00	A+	20.000
AM 227	Advanced Fluid Dyn.	5.00	5.00	A+	20.000

Academic Standing Effective 03/18/2022: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	0.00	Term Totals	10.00	10.00	10.00	40.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	0.00	Comb Totals	10.00	10.00	10.00	40.000
Cum GPA	0.00	Cum Totals	22.00	22.00	20.00	80.000
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	0.00	Comb Totals	22.00	22.00	20.00	80.000

2022 Spring Quarter

Program: Scientific Comp & Appl Math
Plan: MS in Scientific Computing and Applied Mathematics

Course	Description	Attempted	Earned	Grade	Points
AM 231	Nonlinear Control	5.00	5.00	S	0.000
AM 250	Intro High Perf Comp	5.00	5.00	A+	20.000

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Academic Standing Effective 05/16/2023: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	10.00	10.00	5.00	20.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	10.00	10.00	5.00	20.000
Cum GPA	4.00	Cum Totals	32.00	32.00	25.00	100.000
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	4.00	Comb Totals	32.00	32.00	25.00	100.000

2023 Winter Quarter

Program: Scientific Comp & Appl Math
Plan: MS in Scientific Computing and Applied Mathematics

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
AM	297B	Ind Study/Research	10.00	10.00	S	0.000

Academic Standing Effective 03/28/2023: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	0.00	Term Totals	10.00	10.00	0.00	0.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	0.00	Comb Totals	10.00	10.00	0.00	0.000
Cum GPA	4.00	Cum Totals	42.00	42.00	25.00	100.000
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	4.00	Comb Totals	42.00	42.00	25.00	100.000

2023 Spring Quarter

Program: Scientific Comp & Appl Math
Plan: MS in Scientific Computing and Applied Mathematics

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
AM	260	Comp Fluid Dynamics	5.00	5.00	A+	20.000
AM	297A	Ind Study/Research	5.00	5.00	S	0.000

Academic Standing Effective 06/20/2023: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	10.00	10.00	5.00	20.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	10.00	10.00	5.00	20.000
Cum GPA	4.00	Cum Totals	52.00	52.00	30.00	120.000
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	4.00	Comb Totals	52.00	52.00	30.00	120.000

Graduate Career Totals

Cum GPA:	4.00	Cum Totals	52.00	52.00	30.00	120.000
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	4.00	Comb Totals	52.00	52.00	30.00	120.000

End of *** UNOFFICIAL ***