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Name: O'Connor, Collin Emmett Student ID: 1607318

Institution Info:

University of California, Santa Cruz 1156 High Street Santa Cruz, CA 95064

Degrees Awarded

Degree:	Bachelor of Science
Confer Date:	03/19/2021
Plan:	BS in Physics (Astrophysics)
Plan:	Roscoe and Margaret Oakes College

Beginning of Undergraduate Record

2017 Fall Quarter

Program: Plan: Plan:		Undergraduate Physics (Astrophysics) Roscoe and Margaret Oakes College				
<u>Course</u> ASTR MATH OAKS Academic St	2 19A 80A tanding Effect	Description Overview Universe Calc:Sci,Engin,Math UD:CommunicatingDiversity ive 02/13/2018: Good Standing	<u>Attempted</u> 5.00 5.00 5.00	<u>Earned</u> 5.00 5.00 5.00	<u>Grade</u> A+ C B+	Points 20.000 10.000 16.500

		<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.10 Term Totals	15.00	15.00	15.00	46.500
Transfer Term GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.10 Comb Totals	15.00	15.00	15.00	46.500
Cum GPA	3.10 Cum Totals	15.00	15.00	15.00	46.500
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.10 Comb Totals	15.00	15.00	15.00	46.500

2018 Winter Quarter

Program: Plan: Plan:		Undergraduate Physics (Astrophysics) Roscoe and Margaret Oakes College				
<u>Course</u>		Description	Attempted	Earned	<u>Grade</u>	Points
ASTR	8	Astro Data	5.00	5.00	A-	18.500
MATH	19B	Calc:Sci,Engin,Math	5.00	5.00	С	10.000
PHYS	5A	Intro Physics I	5.00	5.00	В	15.000
PHYS	5L	Intro Phys I Lab	1.00	1.00	A-	3.700

Academic Standing Effective 03/25/2018: Good Standing

		<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	2.95 Term Totals	16.00	16.00	16.00	47.200
Transfer Term GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	2.95 Comb Totals	16.00	16.00	16.00	47.200
Cum GPA	3.02 Cum Totals	31.00	31.00	31.00	93.700
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.02 Comb Totals	31.00	31.00	31.00	93.700

2018 Spring Quarter

Program:
Plan:
Plan:

Undergraduate Physics (Astrophysics) Roscoe and Margaret Oakes College



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Name: O'Connor, Collin Emmett Student ID: 1607318

<u>Course</u> ASTR	119	Description Intro Sci Computing	Attempted 5.00	Earned 0.00	<u>Grade</u> F	<u>Points</u> 0.000
Repeated: PHYS	5B	Repeated F Intro Physics II	5.00	5.00	C+	11.500
PHYS	5M	Intro Phys II Lab	1.00	1.00	A	4.000
WRIT	2	Rhetoric & Inquiry	5.00	5.00	А	20.000

Academic Standing Effective 06/15/2018: Good Standing

		Attempted	Earned	<u>GPA Units</u>	Points
Term GPA	3.22 Term Totals	16.00	11.00	11.00	35.500
Transfer Term GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.22 Comb Totals	16.00	11.00	11.00	35.500
Cum GPA	3.07 Cum Totals	47.00	42.00	42.00	129.200
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.07 Comb Totals	47.00	42.00	42.00	129.200

2018 Summer Quarter

Program:		Undergraduate				
Plan:		Physics (Astrophysics)				
Plan:		Roscoe and Margaret Oakes College				
<u>Course</u>		Description	<u>Attempted</u>	Earned	<u>Grade</u>	Points
KRSG	12C	Nat Serv/Grant Writ	3.00	3.00	А	12.000

Academic Standing Effective 09/05/2018: Good Standing

		Attempted	<u>Earned</u>	<u>GPA Units</u>	Points
Term GPA	4.00 Term Totals	8.00	8.00	8.00	32.000
Transfer Term GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00 Comb Totals	8.00	8.00	8.00	32.000
Cum GPA	3.22 Cum Totals	55.00	50.00	50.00	161.200
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.22 Comb Totals	55.00	50.00	50.00	161.200

2018 Fall Quarter

Program: Plan: Plan:		Undergraduate Physics (Astrophysics) Roscoe and Margaret Oakes College				
<u>Course</u>		<u>Description</u>	Attempted	Earned	Grade	Points
MATH	23A	Vector Calculus	5.00	5.00	С	10.000
MUSC	11D	Intr to World Music	5.00	5.00	В	15.000
PHYS	5C	Intro Physics III	5.00	5.00	А	20.000
PHYS	5N	Intro Phys III Lab	1.00	1.00	А	4.000
Acadomic	Standing Effort	tive 12/11/2018: Good Standing				

Academic Standing Effective 12/14/2018: Good Standing

		<u>Attempted</u>	Earned	GPA Units	Points
Term GPA	3.06 Term Totals	16.00	16.00	16.00	49.000
Transfer Term GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.06 Comb Totals	16.00	16.00	16.00	49.000
Cum GPA	3.18 Cum Totals	71.00	66.00	66.00	210.200
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.18 Comb Totals	71.00	66.00	66.00	210.200

2019 Winter Quarter

Program: Plan: Plan: Undergraduate Physics (Astrophysics) Roscoe and Margaret Oakes College



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Name: O'Connor, Collin Emmett Student ID: 1607318

Course CMPS 5P MATH 23B PHYS 116A	<u>Description</u> Intro Prog Python Vector Calculus Math Method Physics	<u>Attempted</u> 5.00 5.00 5.00	<u>Earned</u> 5.00 5.00 5.00	<u>Grade</u> C+ B+ B	Points 11.500 16.500 15.000
Academic Standing Effectiv	re 03/20/2019: Good Standing				
Term GPA Transfer Term GPA Combined GPA Cum GPA	 2.86 Term Totals Transfer Totals 2.86 Comb Totals 3.12 Cum Totals 	Attempted 15.00 0.00 15.00 86.00	Earned 15.00 0.00 15.00 81.00	<u>GPA Units</u> 15.00 0.00 15.00 81.00	Points 43.000 0.000 43.000 253.200
Transfer Cum GPA Combined Cum GPA	Transfer Totals 3.12 Comb Totals	0.00 86.00	0.00 81.00	0.00 81.00	0.000 253.200
			01.00	01.00	200.200
	2019 Spring Quarter				
Program: Plan: Plan:	Undergraduate BS in Physics (Astrophysics) Roscoe and Margaret Oakes College				
<u>Course</u> ASTR 119 Repeated:	<u>Description</u> Intro Sci Computing Repeat of F - Grade A through D- Received	<u>Attempted</u> 5.00	<u>Earned</u> 5.00	<u>Grade</u> A	<u>Points</u> 20.000
PHYS 116B THEA 80A	Math Method Physics African Amer Theatr	5.00 5.00	5.00 5.00	A- A	18.500 20.000
Term Honor:	Dean's Honors				
Academic Standing Effectiv	e 06/17/2019: Good Standing				
Term GPA Transfer Term GPA Combined GPA	3.90 Term Totals Transfer Totals 3.90 Comb Totals	<u>Attempted</u> 15.00 0.00 15.00	<u>Earned</u> 15.00 0.00 15.00	<u>GPA Units</u> 15.00 0.00 15.00	Points 58.500 0.000 58.500
Cum GPA Transfer Cum GPA Combined Cum GPA	3.24 Cum Totals Transfer Totals3.24 Comb Totals	101.00 0.00 101.00	96.00 0.00 96.00	96.00 0.00 96.00	311.700 0.000 311.700
	2019 Summer Quarte	er			
Program: Plan: Plan:	Undergraduate BS in Physics (Astrophysics) Roscoe and Margaret Oakes College				
<u>Course</u> HIS 60	<u>Description</u> Medical/Sci Term	Attempted 5.00	<u>Earned</u> 5.00	<u>Grade</u> A	<u>Points</u> 20.000
Academic Standing Effective 08/01/2019: Good Standing					
		• •	- .		
Term GPA Transfer Term GPA Combined GPA	4.00 Term Totals Transfer Totals4.00 Comb Totals	<u>Attempted</u> 5.00 0.00 5.00	<u>Earned</u> 5.00 0.00 5.00	<u>GPA Units</u> 5.00 0.00 5.00	Points 20.000 0.000 20.000
Cum GPA Transfer Cum GPA Combined Cum GPA	3.28 Cum Totals Transfer Totals3.28 Comb Totals	106.00 0.00 106.00	101.00 0.00 101.00	101.00 0.00 101.00	331.700 0.000 331.700

2019 Fall Quarter

Program: Plan: Plan: Undergraduate BS in Physics (Astrophysics) Roscoe and Margaret Oakes College



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Name: O'Connor, Collin Emmett Student ID: 1607318

Course	Description	Attempted	Earned	<u>Grade</u>	Points
PHYS 5D PHYS 105	Intro Physics IV Mechanics	5.00 5.00	5.00 5.00	A+ B	20.000 15.000
PHYS 116C	Math Method Physics	5.00	5.00	A	20.000
Academic Standing Effective	12/13/2019: Good Standing				
Tarra ODA		Attempted	Earned	GPA Units	Points
Term GPA Transfer Term GPA	3.66 Term Totals Transfer Totals	15.00 0.00	15.00 0.00	15.00 0.00	55.000 0.000
Combined GPA	3.66 Comb Totals	15.00	15.00	15.00	55.000
Cum GPA	3.33 Cum Totals	121.00	116.00	116.00	386.700
Transfer Cum GPA Combined Cum GPA	Transfer Totals 3.33 Comb Totals	0.00 121.00	0.00 116.00	0.00 116.00	0.000 386.700
Combined Cum GFA	5.55 Comb Totals	121.00	110.00	110.00	300.700
	2020 Winter Quarter				
Program:	Undergraduate				
Plan:	BS in Physics (Astrophysics)				
Plan:	Roscoe and Margaret Oakes College		F ama ad	Quada	Deinte
<u>Course</u> PHYS 102	<u>Description</u> Modern Physics	Attempted 5.00	<u>Earned</u> 5.00	<u>Grade</u> A-	<u>Points</u> 18.500
PHYS 110A	Elec, Magnet, Optic	5.00	5.00	A+	20.000
PHYS 112	Therm & Stat Mechan	5.00	5.00	В	15.000
Academic Standing Effective	03/22/2020: Good Standing				
		Attempted	Earned	GPA Units	Points
Term GPA	3.56 Term Totals	15.00	15.00	15.00	53.500
Transfer Term GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.56 Comb Totals	15.00	15.00	15.00	53.500
Cum GPA Transfer Cum GPA	3.36 Cum Totals Transfer Totals	136.00 0.00	131.00 0.00	131.00 0.00	440.200 0.000
Combined Cum GPA	3.36 Comb Totals	136.00	131.00	131.00	440.200
	2020 Spring Quarter				
Dragram					
Program: Plan:	Undergraduate BS in Physics (Astrophysics)				
Plan:	Roscoe and Margaret Oakes College				
Course	Description	Attempted	Earned	<u>Grade</u>	Points
ASTR 112 PHYS 110B	Physics of Stars Elec, Magnet, Optic	5.00 5.00	5.00 5.00	A A	20.000 20.000
PHYS 139A	Quantum Mechanics I	5.00	5.00	A	20.000
Term Honor:	Dean's Honors				
Academic Standing Effective	06/12/2020: Good Standing				
Term GPA	4.00 Term Totals	Attempted 15.00	<u>Earned</u> 15.00	<u>GPA Units</u> 15.00	<u>Points</u> 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	3.42 Cum Totals	151.00	146.00	146.00	500.200
Transfer Cum GPA Combined Cum GPA	Transfer Totals 3.42 Comb Totals	0.00 151.00	0.00 146.00	0.00 146.00	0.000 500.200
2020 Summer Quarter					

2020 Summer Quarter

Program:UndergraduatePlan:BS in Physics (Astrophysics)Plan:Roscoe and Margaret Oakes College



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Name: O'Connor, Collin Emmett Student ID: 1607318

<u>Course</u> PHIL 11	<u>Description</u> Intro To Philosophy	<u>Attempted</u> 5.00	<u>Earned</u> 5.00	<u>Grade</u> P	<u>Points</u> 0.000
PHYS 133	Intermediate Lab	5.00	5.00	A+	20.000
Academic Standing Effective	07/30/2020: Good Standing				
		Attempted	Earned	GPA Units	Dointo
Term GPA	4.00 Term Totals	<u>Attempted</u> 10.00	10.00	<u>GFA OIIIIS</u> 5.00	<u>Points</u> 20.000
Transfer Term GPA Combined GPA	Transfer Totals 4.00 Comb Totals	0.00 10.00	0.00 10.00	0.00 5.00	0.000 20.000
Cum GPA	3.44 Cum Totals	161.00	156.00	151.00	520.200
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.44 Comb Totals	161.00	156.00	151.00	520.200
	2020 Fall Quarte	er			
Program:	Undergraduate				
Plan: Plan:	BS in Physics (Astrophysics) Roscoe and Margaret Oakes College				
Course	Description	<u>Attempted</u>	Earned	<u>Grade</u>	Points
PHYS 135A	Astrophys Adv Lab	3.00	3.00	А	12.000
Academic Standing Effective	12/20/2020: Good Standing				
		<u>Attempted</u>	Earned	GPA Units	Points
Term GPA Transfer Term GPA	4.00 Term Totals Transfer Totals	3.00 0.00	3.00 0.00	3.00 0.00	12.000 0.000
Combined GPA	4.00 Comb Totals	3.00	3.00	3.00	12.000
Cum GPA	3.45 Cum Totals	164.00	159.00	154.00	532.200
Transfer Cum GPA Combined Cum GPA	Transfer Totals 3.45 Comb Totals	0.00 164.00	0.00 159.00	0.00 154.00	0.000 532.200
	2021 Winter Quar	tor			
December					
Program: Plan:	Undergraduate BS in Physics (Astrophysics)				
Plan:	Roscoe and Margaret Oakes College				
<u>Course</u> ASTR 113	Description Intro Cosmology	<u>Attempted</u> 5.00	Earned 5.00	<u>Grade</u> A-	<u>Points</u> 18.500
PHYS 129	Particle Astrophys	5.00	5.00	A+	20.000
PHYS 135B PHYS 195A	Astrophys Adv Lab Senior Thesis I	2.00 5.00	2.00 5.00	B+ A	6.600 20.000
PHYS 195B	Senior Thesis II	5.00	5.00	A	20.000
Term Honor:	Dean's Honors				
Academic Standing Effective	03/21/2021: Good Standing				
		Attempted	Earned	GPA Units	Points
Term GPA	3.86 Term Totals	22.00	22.00	22.00	85.100
Transfer Term GPA Combined GPA	Transfer Totals 3.86 Comb Totals	0.00 22.00	0.00 22.00	0.00 22.00	0.000 85.100
Cum GPA	3.50 Cum Totals	186.00	181.00	176.00	617.300
Transfer Cum GPA Combined Cum GPA	Transfer Totals 3.50 Comb Totals	0.00 186.00	0.00 181.00	0.00 176.00	0.000 617.300
Undergraduate Career Total Cum GPA:	Is 3.50 Cum Totals	186.00	181.00	176.00	617.300
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA UC GPA:	3.50 Comb Totals 3.50	186.00	181.00	176.00	617.300



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Non-Course Milestones

Univ. of Calif. Entry Level Writing Requirement			
Status:	Completed		
Program:	Undergraduate		
Date Completed:	11/20/2017		

American History Requirement			
Status:	Completed		
Program:	Undergraduate		

American Institutions RequirementStatus:CompletedProgram:Undergraduate

Senior Thesis in the MajorStatus:CcProgram:Ur

Completed Undergraduate

End of *** UNOFFICIAL ***