

Page: 1 of 6 Jul 28, 2025 Print Date:

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Name: Bose, Shourya Student ID: 1851189

University of California, Santa Cruz Institution Info:

1156 High Street Santa Cruz, CA 95064

Degrees Awarded

Degree: Confer Date: Master of Science 12/10/2021

Plan: MS in Electrical and Computer Engineering

Beginning of Graduate Record

2020 Fall Quarter

Program: Plan:		Electrical & Computer Engineer PhD in Electrical and Computer Engineering				
Course AM ECE ECE ECE GRAD GRAD	229 240 253 280Z 200 201 202	Description Convex Optimization LinearDynamicalSystem Intro InformtnTheory Smart Grids & Data Academic Writing Oral Communication Reading & Research	Attempted 5.00 5.00 5.00 2.00 0.00 0.00	Earned 5.00 5.00 5.00 2.00 0.00 0.00 0.00	Grade A+ A A A+ S S S	Points 20.000 20.000 20.000 8.000 0.000 0.000
Academic S	tanding Effecti	ve 12/23/2020: Good Standing				
Term GPA Transfer Ter Combined G Cum GPA Transfer Cur Combined G	m GPA	0.00 Term Totals Transfer Totals 0.00 Comb Totals 0.00 Cum Totals Transfer Totals 0.00 Comb Totals	Attempted 17.00 0.00 17.00 17.00 0.00 17.00	Earned 17.00 0.00 17.00 17.00 0.00 17.00	GPA Units 17.00 0.00 17.00 17.00 0.00 17.00	Points 68.000 0.000 68.000 68.000 0.000 68.000
Combined C	ulli GFA	2021 Winter Quarter	17.00	17.00	17.00	00.000
D						
Program: Plan:		Electrical & Computer Engineer PhD in Electrical and Computer Engineering				
Course AM ECE ECE ECE	230 241 279 280Z	<u>Description</u> Numerical Optimiz FeedbackContrlSystm Opt/Control:PowerSys Smart Grids & Data	Attempted 5.00 5.00 5.00 2.00	Earned 5.00 5.00 5.00 2.00	<u>Grade</u> A A A A+	Points 20.000 20.000 20.000 8.000
Academic S	tanding Effecti	ve 03/18/2021: Good Standing				
Term GPA Transfer Ter Combined G Cum GPA Transfer Cur Combined G	m GPA	 4.00 Term Totals Transfer Totals 4.00 Comb Totals 4.00 Cum Totals Transfer Totals 4.00 Comb Totals 	Attempted 17.00 0.00 17.00 34.00 0.00 34.00	Earned 17.00 0.00 17.00 34.00 0.00 34.00	GPA Units 17.00 0.00 17.00 34.00 0.00 34.00	Points 68.000 0.000 68.000 136.000 0.000 136.000

2021 Spring Quarter

Program:

Electrical & Computer Engineer PhD in Electrical and Computer Engineering Plan:



Page: 2 of 6

Print Date: Jul 28, 2025

*** UNOFFICIAL ***

Name: Bose, Shourya Student ID: 1851189

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Course AM 232 ECE 275 ECE 291 ECE 297A Academic Standing Effective	Description Optimal Control Energy Market Tomorrow'sProfessor Independent Study e 06/08/2021: Good Standing	Attempted 5.00 5.00 3.00 5.00	Earned 5.00 5.00 3.00 5.00	Grade A+ B+ S A+	Points 20.000 16.500 0.000 20.000
Term GPA Transfer Term GPA Combined GPA	3.76 Term Totals Transfer Totals 3.76 Comb Totals	Attempted 18.00 0.00 18.00	Earned 18.00 0.00 18.00	GPA Units 15.00 0.00 15.00	Points 56.500 0.000 56.500
Cum GPA Transfer Cum GPA Combined Cum GPA	3.92 Cum Totals Transfer Totals 3.92 Comb Totals	52.00 0.00 52.00	52.00 0.00 52.00	49.00 0.00 49.00	192.500 0.000 192.500
	2021 Fall Quarter				
Program: Plan:	Electrical & Computer Engineer PhD in Electrical and Computer Engineering				
Program: Plan:	Electrical & Computer Engineer MS in Electrical and Computer Engineering				
Course CSE 242 ECE 280Z ECE 290 ECE 297A	Description Machine Learning Smart Grids & Data ECE Graduate Seminar Independent Study	Attempted 5.00 2.00 2.00 5.00	Earned 5.00 2.00 2.00 5.00	Grade A+ S S A+	Points 20.000 0.000 0.000 20.000
Academic Standing Effective	e 12/08/2021: Good Standing				
Term GPA Transfer Term GPA Combined GPA	4.00 Term Totals Transfer Totals 4.00 Comb Totals	Attempted 14.00 0.00 14.00	Earned 14.00 0.00 14.00	GPA Units 10.00 0.00 10.00	Points 40.000 0.000 40.000
Cum GPA Transfer Cum GPA Combined Cum GPA	3.94 Cum Totals Transfer Totals 3.94 Comb Totals	66.00 0.00 66.00	66.00 0.00 66.00	59.00 0.00 59.00	232.500 0.000 232.500
	2022 Winter Quarter				
Program: Plan:	Electrical & Computer Engineer PhD in Electrical and Computer Engineering				
Course CSE 201 ECE 280Z ECE 297B	<u>Description</u> Analysis Algorithms Smart Grids & Data Independent Study	Attempted 5.00 2.00 10.00	Earned 5.00 2.00 10.00	<u>Grade</u> A A+ A+	Points 20.000 8.000 40.000
Academic Standing Effective	e 03/16/2022: Good Standing				
Term GPA Transfer Term GPA Combined GPA	4.00 Term Totals Transfer Totals 4.00 Comb Totals	Attempted 17.00 0.00 17.00	Earned 17.00 0.00 17.00	GPA Units 17.00 0.00 17.00	Points 68.000 0.000 68.000
Cum GPA Transfer Cum GPA Combined Cum GPA	3.95 Cum Totals Transfer Totals 3.95 Comb Totals	83.00 0.00 83.00	83.00 0.00 83.00	76.00 0.00 76.00	300.500 0.000 300.500



Page: Print Date:

3 of 6 Jul 28, 2025

*** UNOFFICIAL ***

Name: Bose, Shourya Student ID: 1851189

2022 Spring Quarter

Program:		Electrical & Computer Engineer				
Plan:		PhD in Electrical and Computer Engineering				
Course	004	<u>Description</u>	Attempted	Earned	<u>Grade</u>	<u>Points</u>
AM ECE	231 297B	Nonlinear Control Independent Study	5.00 10.00	5.00 10.00	A+ A+	20.000 40.000
Academic Star	nding Effective (06/10/2022: Good Standing				
	•	-				
Term GPA		4.00 Term Totals	Attempted 15.00	<u>Earned</u> 15.00	GPA Units 15.00	Points 60.000
Transfer Term	GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4	4.00 Comb Totals	15.00	15.00	15.00	60.000
Cum GPA Transfer Cum (CDA	3.96 Cum Totals Transfer Totals	98.00 0.00	98.00 0.00	91.00 0.00	360.500 0.000
Combined Cun	-	3.96 Comb Totals	98.00	98.00	91.00	360.500
		2022 Fall Quarter				
Program:		Electrical & Computer Engineer				
Plan:		PhD in Electrical and Computer Engineering				
<u>Course</u>	0007	<u>Description</u>	<u>Attempted</u>	Earned	<u>Grade</u>	Points
ECE ECE	280Z 299A	Smart Grids & Data Thesis Research	2.00 5.00	2.00 5.00	S A+	0.000 20.000
Academic Star	nding Effective (01/03/2023: Good Standing				
Term GPA		4.00 Term Totals	Attempted 7.00	<u>Earned</u> 7.00	GPA Units 5.00	<u>Points</u> 20.000
Transfer Term	GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4	4.00 Comb Totals	7.00	7.00	5.00	20.000
Cum GPA Transfer Cum (GPΔ	3.96 Cum Totals Transfer Totals	105.00 0.00	105.00 0.00	96.00 0.00	380.500 0.000
Combined Cun		3.96 Comb Totals	105.00	105.00	96.00	380.500
		2023 Winter Quarter				
Program:		Electrical & Computer Engineer				
Plan: Course		PhD in Electrical and Computer Engineering Description	Attempted	Earned	<u>Grade</u>	Points Points
ECE	299A	Thesis Research	5.00	5.00	S	0.000
Academic Star	nding Effective (06/22/2023: Good Standing				
			Attempted	Earned	GPA Units	Points
Term GPA	004	0.00 Term Totals	5.00	5.00	0.00	0.000
Transfer Term Combined GPA		Transfer Totals 0.00 Comb Totals	0.00 5.00	0.00 5.00	0.00 0.00	0.000 0.000
Cum GPA		3.96 Cum Totals	110.00	110.00	96.00	380.500
Transfer Cum (Combined Cun		Transfer Totals 3.96 Comb Totals	0.00 110.00	0.00 110.00	0.00 96.00	0.000 380.500
Combined Cun	II OI A	2023 Spring Quarter	110.00	110.00	90.00	300.300
Duanus						
Program: Plan:		Electrical & Computer Engineer PhD in Electrical and Computer Engineering				
Course		Description	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	Points
ECE ECE	280Z 299A	Smart Grids & Data Thesis Research	2.00 5.00	2.00 5.00	S A+	0.000 20.000
LOL	233N	THOSIS INCOCATOR	5.00	5.00	Αт	20.000



Page: Print Date:

4 of 6 Jul 28, 2025

*** UNOFFICIAL ***

Name: Bose, Shourya Student ID: 1851189

Academic Standing Effective 06/16/2023: Good Standing

		Attempted	Earned	GPA Units	Points
Term GPA	4.00 Term Totals	7.00	7.00	5.00	20.000
Transfer Term GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00 Comb Totals	7.00	7.00	5.00	20.000
Cum GPA	3.96 Cum Totals	117.00	117.00	101.00	400.500
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.96 Comb Totals	117.00	117.00	101.00	400.500
	2023 Summer Quarter				
5					
Program: Plan:	Electrical & Computer Engineer PhD in Electrical and Computer Engineering				
Course ECE 297F	<u>Description</u> Independent Study	Attempted 2.00	<u>Earned</u> 2.00	<u>Grade</u> S	<u>Points</u> 0.000
Academic Standing Effective 0	09/05/2023: Good Standing				
				05444	5
Term GPA	0.00 Torm Totala	<u>Attempted</u>	Earned	GPA Units	Points 0.000
Transfer Term GPA	0.00 Term Totals Transfer Totals	2.00 0.00	2.00 0.00	0.00 0.00	0.000 0.000
Combined GPA	0.00 Comb Totals	2.00	2.00	0.00	0.000
Cum GPA	3.96 Cum Totals	119.00	119.00	101.00	400.500
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.96 Comb Totals	119.00	119.00	101.00	400.500
	Cido Coma Fotolo				.00.000
	2023 Fall Quarter				
Program: Plan:	Electrical & Computer Engineer PhD in Electrical and Computer Engineering				
<u>Course</u>	<u>Description</u>	<u>Attempted</u>	Earned	<u>Grade</u>	Points
ECE 280Z	Smart Grids & Data	2.00	2.00	A+	8.000
ECE 299A	Thesis Research	5.00	5.00	S	0.000
Academic Standing Effective 1	2/16/2023: Good Standing				
		Attempted	Earned	GPA Units	Points
Term GPA	4.00 Term Totals	7.00	7.00	2.00	8.000
Transfer Term GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00 Comb Totals	7.00	7.00	2.00	8.000
Cum GPA	3.96 Cum Totals	126.00	126.00	103.00	408.500
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.96 Comb Totals	126.00	126.00	103.00	408.500
	2024 Winter Quarter				
Program: Plan:	Electrical & Computer Engineer PhD in Electrical and Computer Engineering				
Course	Description	Attempted	Earned	<u>Grade</u>	Points
ECE 280Z	Smart Grids & Data	2.00	2.00	S	0.000
ECE 299A	Thesis Research	5.00	5.00	A+	20.000
Academic Standing Effective 0	03/25/2024: Good Standing				
		A446	Familia	ODA Hair	Delata
Torm CDA	4.00 Torm Totala	Attempted 7 00	Earned 7.00	GPA Units	Points
Term GPA Transfer Term GPA	4.00 Term Totals Transfer Totals	7.00 0.00	7.00 0.00	5.00 0.00	20.000 0.000
Combined GPA	4.00 Comb Totals	7.00	7.00	5.00	20.000



Page:

5 of 6 Jul 28, 2025

Print Date:

*** UNOFFICIAL ***

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Student ID:	1851189

Cum GPA	3.96 Cum Totals	133.00	133.00	108.00	428.500
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.96 Comb Totals	133.00	133.00	108.00	428.500

2024 Spring Quarter

Program: Electrical & Computer Engineer

PhD in Electrical and Computer Engineering Plan:

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ECE	280Z	Smart Grids & Data	2.00	2.00	S	0.000
ECE	299A	Thesis Research	5.00	5.00	S	0.000

Academic Standing Effective 06/11/2024: Good Standing

			<u>Attempted</u>	<u>Earned</u>	GPA Units	<u>Points</u>
Term GPA	0.00	Term Totals	7.00	7.00	0.00	0.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	0.00	Comb Totals	7.00	7.00	0.00	0.000
Cum GPA	3.96	Cum Totals	140.00	140.00	108.00	428.500
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.96	Comb Totals	140.00	140.00	108.00	428.500

2024 Summer Quarter

Program: **Electrical & Computer Engineer**

Plan: PhD in Electrical and Computer Engineering

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ECE	297F	Independent Study	2.00	2.00	S	0.000

Academic Standing Effective 10/01/2024: Good Standing

		<u>Attempted</u>	<u>Earned</u>	GPA Units	<u>Points</u>
Term GPA	0.00 Term Totals	2.00	2.00	0.00	0.000
Transfer Term GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	0.00 Comb Totals	2.00	2.00	0.00	0.000
Cum GPA	3.96 Cum Totals	142.00	142.00	108.00	428.500
Transfer Cum GPA	Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.96 Comb Totals	142.00	142.00	108.00	428.500

2024 Fall Quarter

Program: **Electrical & Computer Engineer**

Plan: PhD in Electrical and Computer Engineering

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
ECE	299A	Thesis Research	5.00	5.00	S	0.000

Academic Standing Effective 12/17/2024: Good Standing

			<u>Attempted</u>	<u>Earned</u>	GPA Units	<u>Points</u>
Term GPA	0.00	Term Totals	5.00	5.00	0.00	0.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	0.00	Comb Totals	5.00	5.00	0.00	0.000
Cum GPA	3.96	Cum Totals	147.00	147.00	108.00	428.500
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.96	Comb Totals	147.00	147.00	108.00	428.500

2025 Winter Quarter

Program:

Electrical & Computer Engineer
PhD in Electrical and Computer Engineering Plan:



Page: 6 Print Date: Ju

6 of 6 Jul 28, 2025

*** UNOFFICIAL ***

Name: Bose, Shourya Student ID: 1851189

Course ECE 299A	<u>Description</u> Thesis Research	Attempted 5.00	Earned 5.00	<u>Grade</u> S	Points 0.000
Academic Standing Effective 03/21/2025: Good Standing					
Term GPA Transfer Term GPA Combined GPA	0.00 Term Totals Transfer Totals 0.00 Comb Totals	Attempted 5.00 0.00 5.00	Earned 5.00 0.00 5.00	GPA Units 0.00 0.00 0.00	Points 0.000 0.000 0.000
Cum GPA Transfer Cum GPA Combined Cum GPA	3.96 Cum Totals Transfer Totals 3.96 Comb Totals	152.00 0.00 152.00	152.00 0.00 152.00	108.00 0.00 108.00	428.500 0.000 428.500
2025 Spring Quarter					
Program: Plan:	Electrical & Computer Engineer PhD in Electrical and Computer Engineering				
Course ECE 280Z ECE 299A	<u>Description</u> Smart Grids & Data Thesis Research	Attempted 2.00 5.00	Earned 2.00 5.00	<u>Grade</u> S S	Points 0.000 0.000
Academic Standing Effective 06/10/2025: Good Standing					
Term GPA Transfer Term GPA Combined GPA	0.00 Term Totals Transfer Totals 0.00 Comb Totals	Attempted 7.00 0.00 7.00	Earned 7.00 0.00 7.00	GPA Units 0.00 0.00 0.00	Points 0.000 0.000 0.000
Cum GPA Transfer Cum GPA Combined Cum GPA	3.96 Cum Totals Transfer Totals 3.96 Comb Totals	159.00 0.00 159.00	159.00 0.00 159.00	108.00 0.00 108.00	428.500 0.000 428.500
Graduate Career Totals Cum GPA: Transfer Cum GPA Combined Cum GPA	3.96 Cum Totals Transfer Totals 3.96 Comb Totals	159.00 0.00 159.00	159.00 0.00 159.00	108.00 0.00 108.00	428.500 0.000 428.500

Non-Course Milestones

Graduate Candidacy

Status: Completed

Program: Electrical & Computer Engineer

End of *** UNOFFICIAL ***