

Name: Horn, Charles
Student ID: 10093579
OEN: 209553700

Degrees Awarded

Degree: Bachelor of Applied Science
Degree Honours: First Class Honours
Plan: Major in Mathematics & Engineering with Professional Internship
Sub-Plan: Option in Systems and Robotics
Confer Date: 06/01/2018

Academic Milestones

English Proficiency Test Completed 09/23/2013

----- Undergraduate Record -----

Academic Program History

06/12/2013: Bachelor of Science Engineer Active in Program
Major in General Engineering

02/26/2014: Bachelor of Science Engineer Active in Program
Major in Mathematics & Engineering
Option in Applied Mechanics

09/08/2014: Bachelor of Science Engineer Active in Program
Major in Mathematics & Engineering
Option in Systems and Robotics

04/27/2016: Bachelor of Science Engineer Active in Program
Major in Mathematics & Engineering with Professional Internship
Option in Systems and Robotics

06/17/2016: Bachelor of Applied Science Active in Program
Major in Mathematics & Engineering with Professional Internship
Option in Systems and Robotics

05/31/2018: Bachelor of Applied Science Completed Program
Major in Mathematics & Engineering with Professional Internship
Option in Systems and Robotics

2013 Fall

Transfer Credit from Advanced Placement Exam

Applied Toward Bachelor of Science Engineer Program

Course	Description	Units	Grade	Points
HSS	Humanities And Social Science	3.00	TR	0.0
UNSP				
PAL	Performance Arts & Language	6.00	TR	0.0
UNSP				
Course Trans GPA:	0.00	Transfer Totals:	9.00	0.0
Course	Description	Units	Grade	Points
APSC 100A	Engineering Practice	0.00	NG	0.0
APSC 111	Mechanics	3.50	A+	15.1
APSC 131	Chemistry And Materials	3.50	A-	12.9
APSC 151	Earth Systems And Engineering	4.00	A-	14.8
APSC 161	Engineering Graphics	3.50	A	14.0
APSC 171	Calculus I	3.50	A+	15.1
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.99	Term Totals	18.00	71.8

Principal's Scholarship

2014 Winter

Course	Description	Units	Grade	Points
APSC 100B	Engineering Practice	11.00	B+	36.3
APSC 112	Electricity And Magnetism	3.50	A	14.0
APSC 132	Chemistry And The Environment	3.50	A-	12.9
APSC 142	Intro Computer Program Engrs	3.00	A-	11.1
APSC 172	Calculus II	3.50	B-	9.4
APSC 174	Introduction To Linear Algebra	3.50	A-	12.9
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.46	Term Totals	28.00	96.8

Dean's Scholar

2014 Fall

Course	Description	Units	Grade	Points
APSC 200	Engr Design & Practice	4.00	B	12.0
APSC 293	Engineering Communications	1.00	B+	3.3
ELEC 221	Electric Circuits	4.25	A-	15.7
ELEC 271	Digital Systems	4.25	A+	18.3
MTHE 217	Algebraic Structures	3.50	A-	12.9
MTHE 237	Diff Equations for Eng Sci	3.25	A	13.0

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<u>Course</u>	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
MTHE 280	Advanced Calculus	3.50	B	10.5
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.61	23.75	23.75	85.8
Principal's Scholarship				

2015 Winter

<u>Course</u>	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
ELEC 252	Electronics I	4.25	B+	14.0
ELEC 274	Computer Architecture	4.00	A-	14.8
ENPH 225	Mechanics	3.50	B	10.5
MTHE 281	Introduction To Real Analysis	3.50	C+	8.1
MTHE 312	Linear Algebra	3.50	B-	9.4
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.03	18.75	18.75	56.8

2015 Fall

<u>Course</u>	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
APSC 221	Economic And Business Practice	3.00	B+	9.9
ELEC 278	Fundamentals of Info Structure	4.00	A	16.0
ELEC 371	Microprocessor Systems	4.50	A-	16.6
MTHE 326	Functs. Of A Complex Variable	3.00	C+	6.9
MTHE 334	Math Methods For Engrg & Phys	3.50	B+	11.6
MTHE 351	Probability I	3.50	B	10.5
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.33	21.50	21.50	71.5

2016 Winter

<u>Course</u>	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
ECON 112	Introductory Macroeconomics	3.00	A-	11.1
ENPH 239	Eng. Electricity & Magnetism	3.50	B-	9.4
MTHE 332	Introduction To Control	4.00	B-	10.8
MTHE 335	Math Of Engineering Systems	3.50	A	14.0
MTHE 353	Probability II	3.00	A-	11.1
MTHE 393	EngDesign/Prac Math & Eng	4.00	B+	13.2
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.32	21.00	21.00	69.7

2016 Summer

<u>Course</u>	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
APSC 301	Professional Internship	3.00	P	0.0
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	0.00	3.00	0.00	0.0

2016 Fall

<u>Course</u>	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
APSC 302	Professional Internship	3.00	P	0.0
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	0.00	3.00	0.00	0.0

2017 Winter

<u>Course</u>	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
APSC 303	Professional Internship	3.00	P	0.0
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	0.00	3.00	0.00	0.0

2017 Summer

<u>Course</u>	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
APSC 304	Professional Internship	3.00	P	0.0
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	0.00	3.00	0.00	0.0

2017 Fall

<u>Course</u>	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
MECH 452	Mechatronics Engineering	5.00	A-	18.5
MTHE 430	Modern Control Theory	4.00	B	12.0
MTHE 455	Stochastic Processes & Applic	3.50	A-	12.9
MTHE 474	Information Theory	3.00	B	9.0
MTHE 493A	Engineering Math Project	0.00	NG	0.0
MTHE 494	Math & Engineering Seminar	3.00	A+	12.9
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.53	18.50	18.50	65.3

2018 Winter

<u>Course</u>	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
ELEC 448	Introduction To Robotics	3.50	A	14.0
MTHE 472	Control Of Stochastic Systems	3.00	A-	11.1

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<u>Course</u>	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
MTHE 477	Data Compression & Source Codi	3.00	C	6.0
MTHE 493B	Engineering Math Project	7.50	A-	27.8
		<u>Units</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.46	Term Totals	17.00	58.9

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Undergraduate Career Totals

Cum GPA:	3.46	Cum Totals	178.50	166.50	576.5
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