Page 1 of 2

Needles, Clarke William Name:

Student ID: OEN:

996111258

		Indorgraduato Poc	ord			Course ELEC 221	<u>Description</u> Electric Circuits	<u>Units</u> 4.25	<u>Grade</u> A-	Points 15.7
Undergraduate Record						ELEC 271	Digital Systems	4.00	A-	14.8
		Academia Dragram Uis	1000			ELEC 278	Fundamentals of Info Structure	4.00	B-	10.8
		Academic Program His	story			ELEC 290	ECE Design and Practice	5.00	A-	18.5
00/40/0	000.	Deskalar of Applied Caiones	A -4i:	:- D		MTHE 235	Diff Equations For Elec & Comp	3.50	A+	15.1
06/12/2023:		Bachelor of Applied Science	Active	in Program		WITTIE 200	Din Equations 1 of Elec & Comp	Units	GPA Unit	-
		Major in General Engineering				Term GPA	3.61 Term Totals	20.75	20.75	
02/20/2024:		Dashalar of Applied Caionea	A ativa	in Dragram		101111 01 71	o.or rom rotalo	20.70	20.70	7 1.0
02/20/2024. B		Bachelor of Applied Science Major in Computer Engineering	Active in Program				2025 Winter			
		2023 Fall				<u>Course</u> ELEC 252	<u>Description</u> Electronics I	<u>Units</u> 4.25	<u>Grade</u> B	Points 12.8
0		Description	1.1	0	Deinte	ELEC 270	Discrete Math W. Comp Eng Appl	3.50	A	14.0
Course	404	Description	<u>Units</u>	<u>Grade</u>	Points	ELEC 274	Computer Architecture	4.00	B+	13.2
APSC APSC	101 102	Engineering Design & Practice	3.50 2.00	C-	6.0 8.0	ELEC 279	Object Oriented Programming	4.00	A+	17.2
APSC	111	Experimentation Physics I	3.30	A A+	14.2	ELEC 280	Fund. Of Electromagnetics	3.75	д. В-	10.1
APSC	131	Chemistry of Eng. Materials	3.30	A	13.2	ELEC 292	Introduction to Data Science	3.00	A-	11.1
APSC	141	Intro. Computer Programming 1	0.80	A+	3.4		ption led to CR for some courses:			
APSC	151	Earth Systems Engineering	3.30	В	9.9		registrar/transcripts/legends			
APSC	162	Engineering Graphics	2.50	A	10.0	1		<u>Units</u>	GPA Unit	s Points
APSC	171	Calculus I	3.30	A+	14.2	Term GPA	3.48 Term Totals	22.50	22.50	
APSC										
	1994	English Proficiency Engineers	0.00	NG	()()					
APSC	199A	English Proficiency Engineers	0.00 Units	NG GPA Units	0.0 Points		2025 Fall			
			<u>Units</u>	GPA Units	<u>Points</u>		2025 Fall			
Term G		3.59 Term Totals		GPA Units		<u>Course</u>	2025 Fall Description	<u>Units</u>	<u>Grade</u>	<u>Points</u>
		3.59 Term Totals	<u>Units</u>	GPA Units	<u>Points</u>	<u>Course</u> ELEC 326	<u>Description</u>	<u>Units</u>	<u>Grade</u>	<u>Points</u>
			<u>Units</u>	GPA Units	<u>Points</u>			<u>Units</u>	<u>Grade</u>	<u>Points</u>
Term G		3.59 Term Totals 2024 Winter	<u>Units</u> 22.00	GPA Units 22.00	Points 78.9	ELEC 326	<u>Description</u> Probability & Random Processes	<u>Units</u>	<u>Grade</u>	<u>Points</u>
Term G	PA	3.59 Term Totals 2024 Winter Description	<u>Units</u> 22.00 <u>Units</u>	GPA Units 22.00 Grade	Points 78.9 Points	ELEC 326 ELEC 371 ELEC 376 ELEC 377	<u>Description</u> Probability & Random Processes Microprocessor Systems	<u>Units</u>	<u>Grade</u>	<u>Points</u>
Term G <u>Course</u> APSC	PA 103	3.59 Term Totals 2024 Winter Description Eng Client Based Design Proj	<u>Units</u> 22.00 <u>Units</u> 3.50	GPA Units 22.00	Points 78.9 Points 10.5	ELEC 326 ELEC 371 ELEC 376	<u>Description</u> Probability & Random Processes Microprocessor Systems Software Dev Methodology	<u>Units</u>	<u>Grade</u>	<u>Points</u>
Term G Course APSC APSC	PA 103 112	3.59 Term Totals 2024 Winter Description Eng Client Based Design Proj Physics II	<u>Units</u> 22.00 <u>Units</u> 3.50 3.30	GPA Units 22.00 Grade B	Points 78.9 Points 10.5 10.9	ELEC 326 ELEC 371 ELEC 376 ELEC 377	Description Probability & Random Processes Microprocessor Systems Software Dev Methodology Operating Systems	<u>Units</u>	Grade	<u>Points</u>
Term G <u>Course</u> APSC	PA 103	3.59 Term Totals 2024 Winter Description Eng Client Based Design Proj Physics II Chem of Natural & Eng Systems	<u>Units</u> 22.00 <u>Units</u> 3.50	GPA Units 22.00 Grade B B+	Points 78.9 Points 10.5	ELEC 326 ELEC 371 ELEC 376 ELEC 377	Description Probability & Random Processes Microprocessor Systems Software Dev Methodology Operating Systems	<u>Units</u>	Grade	<u>Points</u>
Course APSC APSC APSC APSC	PA 103 112 132	3.59 Term Totals 2024 Winter Description Eng Client Based Design Proj Physics II	<u>Units</u> 22.00 <u>Units</u> 3.50 3.30 3.30 2.50	GPA Units 22.00 Grade B B+ B	Points 78.9 Points 10.5 10.9 9.9	ELEC 326 ELEC 371 ELEC 376 ELEC 377	Description Probability & Random Processes Microprocessor Systems Software Dev Methodology Operating Systems Algorithms Eng Applications	<u>Units</u>	Grade	<u>Points</u>
Course APSC APSC APSC APSC APSC	103 112 132 142	3.59 Term Totals 2024 Winter Description Eng Client Based Design Proj Physics II Chem of Natural & Eng Systems Intro. Computer Programming 2	<u>Units</u> 22.00 <u>Units</u> 3.50 3.30 3.30	GPA Units 22.00 Grade B B+ B A	Points 78.9 Points 10.5 10.9 9.9 10.0	ELEC 326 ELEC 371 ELEC 376 ELEC 377 ELEC 379	Description Probability & Random Processes Microprocessor Systems Software Dev Methodology Operating Systems Algorithms Eng Applications 2026 Winter Description	<u>Units</u>	<u>Grade</u>	Points Points
Course APSC APSC APSC APSC APSC APSC	103 112 132 142 172	3.59 Term Totals 2024 Winter Description Eng Client Based Design Proj Physics II Chem of Natural & Eng Systems Intro. Computer Programming 2 Calculus II	Units 22.00 Units 3.50 3.30 2.50 3.30	GPA Units 22.00 Grade B B+ B A A	Points 78.9 Points 10.5 10.9 9.9 10.0 13.2	ELEC 326 ELEC 371 ELEC 376 ELEC 377 ELEC 379 Course APSC 221	Description Probability & Random Processes Microprocessor Systems Software Dev Methodology Operating Systems Algorithms Eng Applications 2026 Winter Description Economic and Business Practice			
Course APSC APSC APSC APSC APSC APSC APSC	103 112 132 142 172 174	3.59 Term Totals 2024 Winter Description Eng Client Based Design Proj Physics II Chem of Natural & Eng Systems Intro. Computer Programming 2 Calculus II Introduction To Linear Algebra	Units 22.00 Units 3.50 3.30 2.50 3.30 3.30 3.30	GPA Units 22.00 Grade B B+ B A A B-	Points 78.9 Points 10.5 10.9 9.9 10.0 13.2 8.9	ELEC 326 ELEC 371 ELEC 376 ELEC 377 ELEC 379 Course APSC 221 CMPE 332	Description Probability & Random Processes Microprocessor Systems Software Dev Methodology Operating Systems Algorithms Eng Applications 2026 Winter Description Economic and Business Practice Database Management Systems			
Course APSC APSC APSC APSC APSC APSC APSC APSC	103 112 132 142 172 174 182 199B	3.59 Term Totals 2024 Winter Description Eng Client Based Design Proj Physics II Chem of Natural & Eng Systems Intro. Computer Programming 2 Calculus II Introduction To Linear Algebra Applied Engineering Mechanics English Proficiency Engineers	Units 22.00 Units 3.50 3.30 2.50 3.30 3.30 1.70 0.20 Units	GPA Units 22.00 Grade B B+ B A A B- A- P GPA Units	Points 78.9 Points 10.5 10.9 9.9 10.0 13.2 8.9 6.3 0.0	ELEC 326 ELEC 371 ELEC 376 ELEC 377 ELEC 379 Course APSC 221 CMPE 332 COMM 221	Description Probability & Random Processes Microprocessor Systems Software Dev Methodology Operating Systems Algorithms Eng Applications 2026 Winter Description Economic and Business Practice Database Management Systems Introduction To Finance			
Course APSC APSC APSC APSC APSC APSC APSC APSC	103 112 132 142 172 174 182 199B	3.59 Term Totals 2024 Winter Description Eng Client Based Design Proj Physics II Chem of Natural & Eng Systems Intro. Computer Programming 2 Calculus II Introduction To Linear Algebra Applied Engineering Mechanics	Units 22.00 22.00 Units 3.50 3.30 2.50 3.30 3.30 1.70 0.20	GPA Units 22.00 Grade B B+ B A A B- A- P GPA Units	Points 78.9 Points 10.5 10.9 9.9 10.0 13.2 8.9 6.3 0.0	ELEC 326 ELEC 371 ELEC 376 ELEC 377 ELEC 379 Course APSC 221 CMPE 332 COMM 221 ELEC 373	Description Probability & Random Processes Microprocessor Systems Software Dev Methodology Operating Systems Algorithms Eng Applications 2026 Winter Description Economic and Business Practice Database Management Systems Introduction To Finance Computer Networks			
Course APSC APSC APSC APSC APSC APSC APSC APSC	103 112 132 142 172 174 182 199B	3.59 Term Totals 2024 Winter Description Eng Client Based Design Proj Physics II Chem of Natural & Eng Systems Intro. Computer Programming 2 Calculus II Introduction To Linear Algebra Applied Engineering Mechanics English Proficiency Engineers 3.33 Term Totals	Units 22.00 Units 3.50 3.30 2.50 3.30 3.30 1.70 0.20 Units	GPA Units 22.00 Grade B B+ B A A B- A- P GPA Units	Points 78.9 Points 10.5 10.9 9.9 10.0 13.2 8.9 6.3 0.0 Points	ELEC 326 ELEC 371 ELEC 376 ELEC 377 ELEC 379 Course APSC 221 CMPE 332 COMM 221 ELEC 373 ELEC 374	Description Probability & Random Processes Microprocessor Systems Software Dev Methodology Operating Systems Algorithms Eng Applications 2026 Winter Description Economic and Business Practice Database Management Systems Introduction To Finance Computer Networks Digital Systems Engineering			
Course APSC APSC APSC APSC APSC APSC APSC APSC	103 112 132 142 172 174 182 199B	3.59 Term Totals 2024 Winter Description Eng Client Based Design Proj Physics II Chem of Natural & Eng Systems Intro. Computer Programming 2 Calculus II Introduction To Linear Algebra Applied Engineering Mechanics English Proficiency Engineers 3.33 Term Totals	Units 22.00 Units 3.50 3.30 2.50 3.30 3.30 1.70 0.20 Units	GPA Units 22.00 Grade B B+ B A A B- A- P GPA Units	Points 78.9 Points 10.5 10.9 9.9 10.0 13.2 8.9 6.3 0.0 Points	ELEC 326 ELEC 371 ELEC 376 ELEC 377 ELEC 379 Course APSC 221 CMPE 332 COMM 221 ELEC 373	Description Probability & Random Processes Microprocessor Systems Software Dev Methodology Operating Systems Algorithms Eng Applications 2026 Winter Description Economic and Business Practice Database Management Systems Introduction To Finance Computer Networks			

Undergraduate Career Totals

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Name: Needles, Clarke William Page 2 of 2

Student ID: 20424709 OEN: 996111258

Cum GPA: 3.50 Cum Totals 86.35 86.15 301.8

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