

South Dakota Board of Regents

Student name	Tchona, Madje Tobi Marc'Avent
Student ID	101115124
Degree	SDSMT Electric Engineering(BS)
Audit date	12/01/2024 1:31 AM

Degree progress



Requirements



Credits

Level Undergraduate Classification Junior Major Electrical Engineering (SDSMT) Program Bachelor of Science College SDSM&T Engineering Academic Standing GS Advisor Zhao, L (SDSMT 1st Advisor) Email Marc.Tchona@mines.sdsmt.edu Expected Grad Date 12/17/2025 Hom Loc SDSMT Student ID 101115124

SD Mines BS in Electrical Engineering

INCOMPLETE

Credits required: 130 Credits applied: 84 Catalog year: 2021-2022 GPA: 3.358

<input type="radio"/> Minimum Total Credits Required	Still needed: You currently have 84 total credits including both earned and in-progress courses. To graduate, you need to successfully complete a minimum of 46 additional credits and meet all graduation requirements.
<input checked="" type="radio"/> 15 of Last 30 Credits Earned from SD Mines	
<input checked="" type="radio"/> You meet the 2.0 minimum overall GPA requirement	
<input checked="" type="radio"/> Your Mines Institutional GPA is 3.358	
<input type="radio"/> General Education Requirements	Still needed: See SD Mines General Education, Bachelor Programs section
<input type="radio"/> Major Requirements	Still needed: See SD Mines Major in Electric Engineering, BS section
<input checked="" type="radio"/> ENGL 101 and MATH 123 Pre-Requisites	





















Blocks included in this block
[SD Mines General Education, Bachelor Programs](#)
[SD Mines Major in Electric Engineering, BS](#)
[SD Mines ENGL 101 and MATH 123 Pre-Requisites](#)

SD Mines General Education, Bachelor Programs

INCOMPLETE

Credits required: 32 Credits applied: 23 Catalog year: 2021-2022 GPA: 3.250

	Course	Title	Grade	Credits	Term
<input type="radio"/> Minimum General Education Credits Required	Still needed: You currently have 23 credits including both earned and in-progress courses. To complete your general education, you need to successfully complete a minimum of 9 additional credits and all general education requirements.				
<input checked="" type="radio"/> GOAL 1: WRITTEN COMMUNICATION					
<input checked="" type="radio"/> GOAL 1: WRITTEN COMMUNICATION	ENGL 101	Composition I	A	3	2022 Spring
	ENGL 279	Communication STEM Workplace	B	3	2023 Spring

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<input checked="" type="checkbox"/> GOAL 2: ORAL COMMUNICATION	ENGL 289	Explore STEM Communications	B	3	2024 Spring
<input type="checkbox"/> GOAL 3: SOCIAL SCIENCE	Still needed:				
<input type="checkbox"/> GOAL 3: SOCIAL SCIENCE	2 Classes in ANTH 210 or GEOG 101 or 210 or 212 or HIST 151 or 152 or POLS 100 or 102 or 165 or 250 or PSYC 101 or 102 or SOC 100 or 150 or 250 or 285				
<input type="checkbox"/> GOAL 4: FINE ARTS AND HUMANITIES	Still needed:	Choose from 1 of the following:			
<input type="checkbox"/> Fine Arts and Humanities Elective	FREN 202	Intermediate French II	EX	3	2022 Spring
	Satisfied by:	FREN202 - Intermediate French II - Advanced Placement 1 Class in ART 111 or 112  or 121 or ARTH 100 or 211 or ENGL 210  or 212  or 221  or 222  or 241  or 242  or 250 or GER 101 or 102  or HIST 121 or 122 or HUM 100 or 200 or 250 or PHIL 100 or 200 or 220 or 233 or SPAN 101 or 102  or STS 201			
<input type="checkbox"/> OR Two Classes in One Foreign Language	2 Classes in GER 101 or 102  or SPAN 101 or 102 				
<input type="checkbox"/> OR Music Performance and Elective	You must complete all of the following:				
<input type="checkbox"/> Music in Performance I	3 Credits in MUS 117				
<input type="checkbox"/> Fine Arts and Humanities Elective	1 Class in ART 111 or 112  or 121 or ARTH 100 or 211 or ENGL 210  or 212  or 221  or 222  or 241  or 242  or 250 or GER 101 or 102  or HIST 121 or 122 or HUM 100 or 200 or 250 or PHIL 100 or 200 or 220 or 233 or SPAN 101 or 102  or STS 201				
<input checked="" type="checkbox"/> GOAL 5: MATHEMATICS					
<input checked="" type="checkbox"/> Calculus I - Min grade of 'C' or higher	MATH 123	Calculus I	EX	4	2022 Spring
	Satisfied by:	MATH123 - Calculus I - Advanced Placement			
<input checked="" type="checkbox"/> GOAL 6: NATURAL SCIENCE					
<input checked="" type="checkbox"/> General Chemistry I	CHEM 112	General Chemistry I	EX	3	2022 Spring
	Satisfied by:	CHEM112 - General Chemistry I - Advanced Placement			
<input checked="" type="checkbox"/> General Chemistry I Lab	CHEM 112L	General Chemistry I Lab	EX	1	2022 Spring
	Satisfied by:	CHEM112 - General Chemistry I - Advanced Placement			
<input checked="" type="checkbox"/> University Physics I	PHYS 211	University Physics I	B	3	2023 Spring

SD Mines Major in Electric Engineering, BS

INCOMPLETE

Credits required: 98











Credits applied: 56

Catalog year: 2021-2022

GPA: 3.400

	Course	Title	Grade	Credits	Term
<input type="checkbox"/> Minimum Major Credits Required	Still needed: You currently have 56 credits including both earned and in-progress courses from within your major. To complete your major, you need to successfully complete a minimum of 42 credits from within your major requirements.				
<input type="checkbox"/> Minimum Credits Earned from SD Mines					

○ CORE MAJOR REQUIREMENTS

○ Intr Electr Engr-Comp Sci/Engr/Lab	EE 110	Intr Electr Engr-Comp Sci/Engr	A	1	2022 Fall
	Still needed:	1 Class in EE 110L 			
✓ Found Electric/Computer Engr/Lab	EE 120	Found Electric/Electronic Engr	A	2	2022 Spring
	EE 120L	Founds Elec/Electro Eng Lab	A	1	2022 Spring
✓ Circuits I/Lab - Min grade of 'C' or higher	EE 220	Circuits I	B	4	2023 Spring
	EE 220L	Circuits I Laboratory	LR	0	2023 Spring
✓ Circuits II/Lab- Min grade of 'C' or higher	EE 221	Circuits II	C	4	2023 Fall
	EE 221L	Circuits II Laboratory	LR	0	2023 Fall
✓ Electronic Sensors & Actuators/Lab	EE 351	Mechatronic/Measurement System	A	4	2024 Spring
	EE 351L	Mechatronics/Measurement Lab	LR	0	2024 Spring
 Signals and Systems	EE 313	Signals and Systems	REG	(3)	2024 Fall
○ Control Systems/Lab	Still needed:	2 Classes in EE 314  and 314L			
✓ Introduction to Electronics/Lab	EE 320	Introduction to Electronics	A	4	2023 Fall
	EE 320L	Intro to Electronics Lab	LR	0	2023 Fall
○ Electronics Analysis/Design/Lab	Still needed:	2 Classes in EE 423  and 423L			
 Energy Systems/Lab	EE 330	Energy Systems	REG	(3)	2024 Fall
	EE 330L	Energy Systems Lab	REG	(1)	2024 Fall
○ Elec/Mag/Optic Prop Materials	Still needed:	1 Class in EE 362 			
○ Electric and Magnetic Fields	Still needed:	1 Class in EE 381 			
○ Appl Electromagnetics/Wireless	Still needed:	1 Class in EE 382 			
○ Senior Design Project I	Still needed:	1 Class in EE 464 			
○ Senior Design Project II	Still needed:	1 Class in EE 465 			
✓ MATH REQUIREMENTS					
✓ Calculus II - Min grade of 'C' or higher	MATH 125	Calculus II	A	4	2022 Spring
✓ Calculus III	MATH 225	Calculus III	A	4	2023 Fall
✓ Differential Equations	MATH 321	Differential Equations	B	3	2022 Fall
✓ Intro to Probability and Stats	MATH 381	Intro to Probability and Stats	B	3	2024 Spring
○ OTHER SCIENCE AND ENGINEERING REQUIREMENTS					
✓ Computer Science Elective					

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✔ Programming for Engr/Sci/Lab	CSC 170	Programming for Engr/Sci	B	3	2022 Spring
	CSC 170L	Programming for Engr/Sci Lab	LR	0	2022 Spring
○ Statics & Dynamics	Still needed:	1 Class in EM 216			
✔ University Physics II	PHYS 209	Fundamentals of Physics II	B	3	2024 Spring
○ SENIOR ELECTIVES	Still needed:	12 Credits in EE 4@ Except EE 464 or 465			
○ EXPERIENTIAL LEARNING ELECTIVE	Still needed:	2 Credits in CP 297 or 397 or 497 or GE 283 or IENG 301 or EE 291 or 391 or 491 or 292 or 392 or 492 or 498 Other courses may be approved by advisor			
🔵 TECHNICAL ELECTIVES	CSC 251	Finite Structures	REG	(3)	2024 Fall
	MATH 315	Linear Algebra	REG	(3)	2024 Fall
✔ FREE ELECTIVE	FREN 392	Topics	EX	3	2022 Spring
	Satisfied by:	FREN392 - Topics - Advanced Placement			

SD Mines ENGL 101 and MATH 123 Pre-Requisites

COMPLETE

Catalog year: 2021-2022 GPA: 0.000

✔ ENGL 101 Pre-Requisites Complete

✔ MATH 123 Pre-requisites Complete

Other Courses

Credits applied: 5 Classes applied: 3

Course	Title	Grade	Credits	Term
BIOL 151	General Biology I	EX	3	2022 Spring
Satisfied by:	BIOL151 - General Biology I - Advanced Placement			
BIOL 151L	General Biology I Lab	EX	1	2022 Spring
Satisfied by:	BIOL151 - General Biology I - Advanced Placement			
PHYS 211L	University Physics I Lab	B	1	2022 Fall

Insufficient

Credits applied: 0 Classes applied: 9

Course	Title	Grade	Credits	Term
EE 220	Circuits I	D	0	2022 Fall
EE 220L	Circuits I Laboratory	LR	0	2022 Fall
EE 351	Mechatronic/Measurement System	D	0	2023 Spring
EE 351L	Mechatronics/Measurement Lab	LR	0	2023 Spring
ENGL 279	Communication STEM Workplace	F	0	2022 Summer

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ENGL 279	Communication STEM Workplace	C	0	2022 Fall
MATH 225	Calculus III	WD	0	2023 Spring
MUEN 260	University Band	WD	0	2023 Fall
PHYS 211	University Physics I	C	0	2022 Fall

In-progress

Credits applied: 13

Classes applied: 5

Course	Title	Grade	Credits	Term
CSC 251	Finite Structures	REG	(3)	2024 Fall
EE 313	Signals and Systems	REG	(3)	2024 Fall
EE 330	Energy Systems	REG	(3)	2024 Fall
EE 330L	Energy Systems Lab	REG	(1)	2024 Fall
MATH 315	Linear Algebra	REG	(3)	2024 Fall

Not Applicable

Credits applied: 4

Classes applied: 2

Course	Title	Reason	Grade	Credits	Term
PHYS 111	Introduction to Physics I	Max of zero classes/credits exceeded	EX	3	2022 Spring
Satisfied by:	PHYS111 - Introduction to Physics I - Advanced Placement				
PHYS 111L	Introduction to Physics I Lab	Max of zero classes/credits exceeded	EX	1	2022 Spring
Satisfied by:	PHYS111 - Introduction to Physics I - Advanced Placement				

Legend

	Complete		Not complete
	Complete (with classes in-progress)		Nearly complete - see advisor
	Prerequisite	@	Any course number

Disclaimer

You are encouraged to use this degree audit report as a guide when planning your progress toward completion of the above requirements. Contact your academic advisor for assistance in interpreting this report or regarding your official degree/certificate completion status. This audit is not your academic transcript and it is not official notification of completion of degree or certificate requirements. Please contact the Registrar's Office to obtain a copy of your official academic transcript. For incoming students and students changing to a future catalog: future catalog curriculum requirements are finalized in late summer and are updated on this audit as needed.