Continuing Education Scholarship Application: Submission #125

View

HTML

Table

Plain text

Data (YAML)

The **Table** page displays a submission's general information and data using tabular layout. ▸ Watch video

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Submission information

Applicant's Name	Cody Robert Alexander
Applicant's Address	14083 Road T PO Box 149 Cahone, Colorado. 81320
Your Email Address	cralexander2@mavs.coloradomesa.edu
Telephone Number	9705622240
Empire Electric Account Number	63022003
Name on Empire Electric Account	Kimberly Alexander
Relationship to Empire Electric Account Member	Mother
Year You Recieved an Empire Electric Scholarship	2024
Year You Graduated High School	2024
Name and address of the institution you are attending	Colorado Mesa University 1100 North Ave Grand Junction, Colorado. 81501 700556334
Field of Study	Mechanical Engineering
Other Children in Your Family	•
Other Financial Aid	$7,500 per year Trustee scholarship.
Upload Most Recent Academic Transcript - Can not be a screen shot -	Freshman College Transcript.pdf (25.71 KB)
Upload Letter of Reference from College Professor or Academic Advisor	Letter of Recomendation - Cody Alexander.pdf (79.59 KB)
List Your School and Community Honors and Activities	3-years NHS, 4-year Honor roll Student, 3.61 College GPA, and Intramural Basketball.

Essay	My name is Cody Alexander. I am currently pursuing a degree in Mechanical Engineering through a partnership program between CU Boulder and Colorado Mesa University. I am applying for this scholarship to help relieve some of my financial burden and allow me to focus more on my academics. I have many different career goals that serve as steppingstones toward my future. My main career goal is to find a job where I can help people in the Four Corners area. Helping people in the local community would mean a lot to me, and being a mechanical engineer would give me the ability to do that. Currently, my family consists of my mother, father, sister, and me living together. This coming fall, my sister and I will both be moving back to college. This will create a large financial burden on our entire family. Receiving this scholarship would help pay for my books, housing, or tuition. Thank you very much for considering me for this scholarship.
Submission Date	2025-06-15

Applicant's Signature

Colorado Mesa University

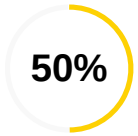
Student name Alexander, Cody R

Student ID 700556334

Degree Bachelor of Science

Audit date 05/29/2025 4:07 AM

Estimated Degree Progress



Requirements

Credits

Graduation GPA
3.61

Level Undergraduate **Class Standing** Sophomore **Major** Pre-Mechanical Engineering (CMU CU Partnership) **Minor** No Minor Declared **Program** BS - Bachelor of Science **Advisor** Bethany Daigle - Major Advisor, Logan Williams - Major Advisor **Academic Standing** Good Standing

Degree in Bachelor of Science INCOMPLETE

Credits required: 128 Credits applied: 45 Catalog year: Fall 2024

○ Minimum 128 semester credit hours total	**Still needed:**	These credits are comprised of specified degree requirements and electives. You have taken 45 and need a minimum of 83 more semester credit hours.
✓ Academic Residency does not apply to CU Boulder programs		
✓ Minimum Upper Division does not apply to CU Boulder programs		
✓ Minimum 2.25 GPA		
○ Major Requirements	**Still needed:**	See **Major in Pre-Mechanical Engineering** section

Major in Pre-Mechanical Engineering INCOMPLETE

Catalog year: Fall 2024 GPA: 3.61

As a Pre-Mechanical Engineering student, you have not been officially admitted into the CMU/CU Boulder Mechanical Engineering Partnership Program. To learn more about the admission process, please email the CMU/CU Engineering Partnership Program Director at nmcneill@coloradomesa.edu or visit the Engineering Department in Confluence Hall, 3rd floor.

	Course	Title	Grade	Credits	Term	Repeated
○ Apply to the CMU/CU Engineering Partnership Program	**Still needed:**	Click here to see admission requirements for the CMU/CU Boulder Engineering Partnership Programs.				
○ Refer to CU Boulder Program Sheet for complete program requirements	**Still needed:**	You must be accepted to University of Colorado at Boulder (CU) to complete this program. Once accepted, you will be required to fulfill CU Boulder's requirements for graduation. This audit only lists CMU courses. Click here for links to the full Mechanical Engineering program sheet and curriculum flow chart. For more information, please email the CMU/CU Engineering Partnership Program Director at nmcneill@coloradomesa.edu or visit the Engineering Department in Confluence Hall, 3rd Floor.				
○ CU Boulder Grade Requirements	**Still needed:**	The minimum passing grade for prerequisite and co-requisite classes is a C. This includes courses completed outside of the program. The minimum passing grade for standalone classes is a D-. Once officially admitted to CU Boulder, a student must maintain a 2.25 major and cumulative GPA (based entirely on CU coursework).				

MATHEMATICS & BASIC SCIENCES

Engineering Calculus I	MATH 151	Calculus I-GT-MA1	A	5	Fall 2024
Engineering Calculus II	MATH 136	Engineering Calculus II	B	4	Spring 2025
Calculus III	**Still needed:**	**1** Class in **MATH** 253			
Differential Equations & Linear Algebra	**Still needed:**	**1** Class in **MATH** 236			
Fundamental Mechanics	PHYS 131	Fundamental Mechanics-GTSC1	B	4	Spring 2025
Fundamental Mechanics Laboratory	PHYS 131L	Fundamental Mechanic Lab-GTSC1	A	1	Spring 2025
Electromagnetism & Optics	PHYS 132	Electromagnetism/Optics-GTSC1	IP	(4)	Fall 2025
Electromagnetism & Optics Laboratory	PHYS 132L	Electromagn/Optics Lab-GTSC1	IP	(1)	Fall 2025
Engineering Chemistry	CHEM 151	Engineering Chemistry-GTSC1	B	4	Fall 2024
Engineering Chemistry Laboratory	CHEM 151L	Engineering Chem Lab-GTSC1	A	1	Fall 2024
Basic Science Elective	**Still needed:**	Choose from 1 of the following:			
Attributes of Living Systems and Lab		**2** Classes in **BIOL** 105 and 105L			
Human Anatomy & Physiology I		**1** Class in **BIOL** 209			
General Chemistry II		**1** Class in **CHEM** 132			
Organic Chemistry I		**1** Class in **CHEM** 311			
CS2: Data Structures		**1** Class in **CSCI** 112			
CS3: Introduction to Algorithms		**1** Class in **CSCI** 250			
Intermediate Dynamics		**1** Class in **PHYS** 230			
Modern Physics		**1** Class in **PHYS** 231			
Circuits as Systems and Lab		**2** Classes in **EECE** 226 and 226L			
Principles of Physical Geology and Lab		**2** Classes in **GEOL** 111 and 111L			
Geology of Colorado		**1** Class in **GEOL** 105			
Introduction to Advanced Mathematics		**1** Class in **MATH** 240			
Probability and Statistics		**1** Class in **STAT** 200			
Statistical Methods		**1** Class in **STAT** 311			

COMPUTER SCIENCE

Introduction to Engineering Computer Science	CSCI 130	Intro to Engineering Comp Sci	A	4	Spring 2025

WRITING

Writing for Engineers	**Still needed:**	**1** Class in **ENGL** 325

MACHINING

Machining Fundamentals	MAMT 102	Machining Fundamentals	A	1	Fall 2024

CMU ENGINEERING COURSES

Introduction to Engineering	ENGR 101	Introduction to Engineering	A	1	Fall 2024
CAD and Fabrication	ENGR 125	Comp-Aided Design/Fabrication	A	3	Fall 2024
1st-Year Engr Projects	ENGR 140	First-Year Engineering Project	A	3	Spring 2025
Materials Science	ENGR 224	Materials Science	IP	(2)	Fall 2025
Materials Science Lab	ENGR 224L	Materials Science Laboratory	IP	(1)	Fall 2025
Statics and Structures	ENGR 261	Statics and Structures	IP	(3)	Fall 2025

Mechanics of Solids	**Still needed:**	**1** Class in **ENGR** 263
Dynamics	**Still needed:**	**1** Class in **ENGR** 343

HUMANITIES & SOCIAL SCIENCE ELECTIVES

Additional Details about the Humanities & Social Science Requirement	**Still needed:**	This program requires 15 hours of approved Humanities & Social Science classes, including 6 credits of upper-division classes and 9 additional remaining credits (which can be upper or lower division, with SOCI 120 recommended). List of approved electives is subject to change. The CU Boulder engineering policy on humanities and social sciences can be found by clicking here. For more information about this requirement, visit with your Engineering advisor.
6 Credits of Upper-Division Humanities & Social Science	**Still needed:**	Complete 6 credit hours of approved 300-400 level Humanities and Social Science coursework. You have taken 0 credits and need 6 more. Click here for a link to the full list of approved classes.
9 Credits of remaining Humanities & Social Science	SOCI 120 **Still needed:**	Technology and Society-GTSS3 IP (3) Fall 2025 Complete 9 credit hours of any mix of upper and/or lower division hours of approved Humanities and Social Science coursework. SOCI 120 is highly recommended. You have taken 3 credits and need 6 more. Click here for a link to the full list of approved classes.
CU BOULDER ENGINEERING COURSES & TECHNICAL ELECTIVES	**Still needed:**	Additional CU Boulder coursework (offered in Grand Junction) is needed to complete this degree, including more than 15 total courses which takes most students four additional semesters to complete. Please visit with your Partnership Program Director for a complete list of CU Boulder Engineering Courses and Technical Electives requirements.

○ FREE ELECTIVE	**Still needed:**	1 Credit of Free Elective is required. College-level coursework accepted by CU Boulder not used otherwise to satisfy the requirements of this degree is considered a free elective. Use Transferology.com to verify that courses will transfer to CU Boulder.
○ FE EXAM	**Still needed:**	Taking the Fundamentals of Engineering (FE) Examination during fall or spring of the student's senior year (including both the general portion in the morning and the Mechanical Engineering Subject-Specific Section in the afternoon), is required. Graduation is not contingent upon passing. However, it is beneficial to pass because this exam is the first step toward a Professional Engineer's certification.

Preregistered

Credits applied: 14 Classes applied: 6

Course	Title	Grade	Credits	Term	Repeated
ENGR 224	Materials Science	IP	(2)	Fall 2025	
ENGR 224L	Materials Science Laboratory	IP	(1)	Fall 2025	
ENGR 261	Statics and Structures	IP	(3)	Fall 2025	
PHYS 132	Electromagnetism/Optics-GTSC1	IP	(4)	Fall 2025	
PHYS 132L	Electromagn/Optics Lab-GTSC1	IP	(1)	Fall 2025	
SOCI 120	Technology and Society-GTSS3	IP	(3)	Fall 2025	

Legend

✓	Complete	○	Not complete
◐	Complete (with classes in-progress)	!	Nearly complete - see advisor
📋	Prerequisite	@	Any course number
(R)	Repeated class		

Disclaimer

Degree Works evaluates completed and in-progress coursework against major requirements to determine progress toward the completion of a degree. Changing your registration or completing a course with an unsatisfactory grade may impact your degree progress. You should meet regularly with your academic advisor to review degree progress and verify the accuracy of the Degree Works audit. It does not constitute an official degree audit or an academic transcript.

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Ian Moore
Instructor, Mechanical Engineering
Grand Junction, CO, 81507
imoore@coloradomesa.edu
(970) 215-8189

12/10/2024

To Whom It May Concern,

I am writing to recommend Cody Alexander, a freshman at Colorado Mesa University, for a position in your Research Experience for Undergraduates (REU) program. Cody was a student in my Computer Aided Design/Fabrication class, and I found him to be a diligent and respectful learner with a strong interest in academic growth.

Cody consistently demonstrated reliability and engagement throughout the semester. He attended class regularly, was punctual, and actively asked questions about the material in class. His effort to deepen his understanding of the tools and skills was evident in him staying after class to complete assignments.

Cody also showed persistence when faced with challenges. He approached tasks thoughtfully and worked steadily to overcome difficulties and made sure to clarify that he understood the syllabus criteria. Additionally, Cody treated his peers and myself with courtesy and respect, contributing to a positive learning environment.

I believe Cody would make a capable and committed participant in your REU program. His combination of curiosity, perseverance, and professionalism suggests he is well-suited for the demands of research in a team environment.

If you require additional details or would like to discuss Cody's qualifications further, please do not hesitate to contact me at imoore@coloradomesa.edu or (970) 215-8189

Sincerely,
Ian Moore
Instructor
Colorado Mesa University