

**ID**

23-02

**High School**

Moon Area High School

**Graduation Date**

2022

**College**

West Virginia University

**Expected Graduation Date**

2026

**Major**

Civil Engineering

**Activities**

Extra Curricular

-WVU Archery Club

-WVU Ducks Unlimited Club

Volunteer Work/Community Service

-Most Sacred Heart of Jesus Parish

-Moon Area Lacrosse clinics

-West Hills Food Pantry

Current Experience

-Summer Engineering Internship at Prime Engineering

**Awards, Honors, Scholarships**

Member of National Honors society

WVU Scholarship of distinction (11/17/2021)

**Essay Answer**

Specifically, in the past century, society has continued to raise concerns regarding carbon emissions and climate change. As a result, there has been a continued demand for certain industries, specifically in engineering practices, to find sustainable solutions that promote environmentally friendly methods of production all to reduce negative impacts on nature. Due to a lack of awareness, material usage, and transportation methods, among other issues, the engineering industry accounts for a large majority of the carbon emissions put out into the environment.

As a graduate, many opportunities exist for new employees to get involved in trying to help resolve these issues. Mastering and implementing energy-saving technologies would be a great way to get involved, which would address areas where the industry lacks eco-friendly practices. In recognizing areas where organizations show high rates of carbon emissions, firms can begin working toward incorporating sustainability design principles in their projects. Research and development are pivotal in addressing problems and finding better, more efficient ways to produce results. To continue to find new ways to promote carbon reduction, it is important to

be up to date on the information being put out regarding carbon emissions. For instance, it could be very beneficial to be certified in areas such as environmental design as society continues to advocate for sustainability. This is just one-way new graduates can make themselves stand out in the workplace and offer solutions that will have a positive impact on the environment.

Furthermore, graduates new to the industry can advocate for sustainability within their practice by raising awareness surrounding the importance of carbon mitigation. Since the issue has been brought to the public eye recently, many engineering firms have not promoted sustainability as well as they should be in the office. Keeping up to date on renewable energy sources, sustainability practices, and advancements in carbon reduction methods is a great way to educate peers and supervisors on the issues at hand. Leading group discussions addressing carbon emission issues would be a great way to get involved as well. This would help graduates in their own careers as it shows that he or she is willing to take the initiative and be a leader. Starting a group focused on carbon mitigation within the practice would be a great way to become a leader quickly. Not to mention, taking the initiative will open many opportunities if successful. From the perspective of a boss, he or she is going to want to give more responsibility to the individual that is willing to put themselves out there and lead the group.

Overall, carbon emissions have become a huge topic of discussion in recent years. It will not be long before steps toward an eco-friendlier environment are taken, which will impact the engineering industry dramatically. Keeping up to date on carbon mitigation and thinking about sustainable design principles that can be incorporated into the workplace are great ways to stand out early on in one's career. It could potentially save companies millions of dollars in the future.

View Grades

GPA Summary <a href="#">View Details</a>			
-	3.20	3.00	3.16
All Terms	Institutional	Transfer	Overall

Course Work

Search by Course Title or Subject Code (ALT+Y)

Subject	Course Title	Cam...	Midter...	Final Gr...	Narrative Gra...	Att...	Ea...	G...	Qu...	CRN	Term	Action
MAE 241, 001	Statics	CWA				3.000				80630	Fall 2023	
CE 201, 001	Intro to Civil Engineering	CWA				1.000				80858	Fall 2023	
MATH 251, 104	Multivariable Calculus	CWA				4.000				81465	Fall 2023	
ECON 201, 001	Principles of Microeconomics	CWA				3.000				83820	Fall 2023	

MATH 155, 003	Calculus 1	CWA	B	C+		4.000	4.000	4.000	8.00	82797	Fall 2022	
ENGR 191, 132	First-Year Seminar	CWA	A+	A		1.000	1.000	1.000	4.00	84007	Fall 2022	
ENGR 140, 001	Engineering in History	CWA	A	A		3.000	3.000	3.000	12.00	84923	Fall 2022	
CHEM 115, 006	Fundamentals of Chemistry 1	CWA	B	C		3.000	3.000	3.000	6.00	85245	Fall 2022	
CHEM 115L, 405	Fund of Chemistry 1 Lab	CWA	A	A		1.000	1.000	1.000	4.00	85271	Fall 2022	
ENGR 101, 002	Engineering Problem Solving 1	CWA	B	B		2.000	2.000	2.000	6.00	89958	Fall 2022	

ENGL 102, 411	Comp., Rhetoric, & Research	CWA				3.000				87659	Fall 2023	
CE 210, 001	Intro CADD - Civil Engineers	CWA				2.000				87773	Fall 2023	
CE 210L, 002	Intro CADD - Civil Engr Lab	CWA				1.000				88760	Fall 2023	
THET 101, 002	Introduction to the Theatre	CWA	A	A+		3.000	3.000	3.000	12.00	10530	Spring 2023	
MATH 156, 402	Calculus 2	CWA	B	C		4.000	4.000	4.000	8.00	10796	Spring 2023	
GEOL 101, 003	Planet Earth	CWA	A+	A+		3.000	3.000	3.000	12.00	11847	Spring 2023	
ENGR 102, 002	Engineering Problem-Solving 2	CWA	A	B		3.000	3.000	3.000	9.00	12835	Spring 2023	
ANTH 105, 001	Introduction to Anthropology	CWA	A	A		3.000	3.000	3.000	12.00	14676	Spring 2023	
GEOL 101L, 014	Planet Earth Lab	CWA	A	A		1.000	1.000	1.000	4.00	16853	Spring 2023	
ENGL 101, 074	Intro. Composition & Rhetoric	CWA	B	A		3.000	3.000	3.000	12.00	80136	Fall 2022	
MATH 155, 003	Calculus 1	CWA	B	C+		4.000	4.000	4.000	8.00	82797	Fall 2022	