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ENGINEERS' SOCIETY
of
WESTERN PENNSYLVANIA

STUDENT SCHOLARSHIP APPLICATION FOR THE YEAR 2017-18

APPLICANT NAME		
DATE July 31, 2017		
NAME OF RELATED ESWP MEMBER		
MEMBER # 5117		
RELATIONSHIP		
HOME ADDRESS		CAMPUS ADDRESS
701 9th Avenue		6001 University Blvd
Beaver Falls, PA 15010		Box #628
		Moon Twp, PA 15108
HIGH SCHOOL	CITY, STATE	GRAD. DATE
Beaver County Christian School	Beaver Falls, PA	June 2016
COLLEGE	CITY, STATE	EXPECTED GRAD. DATE
Robert Morris University	Moon Township, PA	May 2020
MAJOR		
Engineering, Biomedical		



STUDENT SCHOLARSHIP APPLICATION FOR THE YEAR 2017-18

1. List any extra curricular activities that you participated in (community service, volunteer work, etc.) including length of service. (Attach extra sheet if necessary)
McGuire Memorial Direct Care Staff (2017)
Community Workdays, Beaver Valley area (2014-2017)
Soup Kitchen Volunteer (2014-2016)

2. List any awards, honors or scholarships you have received. Include the date of the Award. (Attach extra sheet if necessary)
Robert Morris University Honors Program, Member (2016-2017)
Westinghouse Science Honors Institute, First Place (2014-2015)
B. Kenneth Simon Free Enterprise Scholarship Winner (2016)
Honors Summer Enrichment Award Winner at Robert Morris Univ (2017)

3. Essay question (The essay question is important to the final selection of the finalist for the awards. Select one of the topics. Take time to organize your thoughts. Provide your answers in typewritten form in 500 words or less. Type the essay question you are answering at the top of the essay. Attach the essay to your completed application.)
<ul style="list-style-type: none">• Describe in detail an accomplishment that you have achieved while you were a student. Why were you successful? How will your success influence your future plans as an engineer?• Describe in detail your strengths and interests. Describe how you will apply your skills to a career as an engineer.• Describe in detail a challenge that industry will need to face in the future. What opportunities exist for technical graduates to help companies deal with that challenge?
4. Scholastic Performance: Please attach a copy of your most recent transcript, including grade point average and class rank. Also, include a copy of test result scores from the SAT exam.

1. Extracurricular Activities (cont'd)

Peer Tutoring (2014-2016)

Nonprofit Leadership Association Certificate Program (2016-2017)

Coalition for Christian Outreach, Leadership Team Member (2017)

Bible Study Leader (2017)

Cheri's Ceramics Studio and Shop (2015-2017)

Ceramics Internship at Stray Cat Studio (2014)

Immanuel Orthodox Presbyterian Church, Member (2016-2017)

2. Awards, Honors, and Scholarships (cont'd)

Daniel J. Zuppe Scholarship Winner (2016)

Ellwood City Hospital Scholarship Winner (2016)

School of Engineering, Mathematics and Science Dean's List, Robert Morris University (2016-2017)

Robert Morris University Women's Leadership and Mentorship Program, Member (2016-2017)

Academic Honor Roll, Beaver County Christian School (2012-2016)

AP Scholar with Distinction Award (2016)

Describe in detail an accomplishment that you have achieved while you were a student. Why were you successful? How will your success influence your future plans as an engineer?

I am an engineer-in-training thanks to the Westinghouse Science Honors Institute. Winning first place in the final exam testing the knowledge gained from a series of eleven lectures on the STEM fields confirmed the calling I had long felt to become an engineer, specifically in the medical world.

I have been exposed to the medical field firsthand since the age of six weeks old when I was diagnosed with a congenital hemangioma. Several years later, I underwent brain surgery to correct a chiari malformation. High school saw the onset of reflex neurovascular dystrophy, a chronic pain syndrome that will be with me for the rest of my life. High school was also my introduction to chemistry. My chemistry professor fed me extra readings, opening the world of engineering, medicine, and design. I grew up seeing the limitations of our modern understanding of medicine and the human body. I now saw a way out; I could be a part of overcoming these limitations by adding to medical knowledge and technology.

I was still uncertain if my dreams were realistic. My burgeoning scientific interests seemed irrelevant when compared with the impossible cost of college. Still the wonders, and shortcomings, of modern medicine glistened, glittering with opportunities behind the behemoth of college tuition figures.

Despite my doubts about a future in STEM, my professor strongly encouraged me to attend the Institute. Week after week, I heard chemists, astronomers, and physicists speak of their work. Eleven men and women spoke of their studies, their research, their clients, and the need for more like them. Eleven Saturdays later, I sat down in front of an exam. Rarely when taking a test have I felt so little stress. Why worry when there was no chance I could do well on such a

test when pitted against hundreds of other students? I was just a little girl from a little town in the middle of nowhere. But as I read the first question, I was reminded, not of the lectures themselves, but of the opportunities in store for those who chose to pursue the STEM fields I had heard so much about. I answered question after question, recalling the beauty of the stars, the texture of human fat, and the manmade abilities of robots. I left that test confirmed in one thing: if there was a way, I would study engineering.

Today, three years after my first Saturday session in that large lecture hall, I am preparing to begin my fall classes, returning to the study of engineering. Westinghouse Science Honors Institute only peaked my interest. The first-place certificate confirmed my competence in the study. The scholarship gave me hope to pursue further education despite its price tag. Lord willing, I will spend my days pursuing the questions our world needs to answer. The answers may just be the difference between a life of pain or a healthy, happy life for many a person.

SAT[®]

Score Report

701 9th Ave
Beaver Falls, PA 15010 - 4551

Test Date: **Nov. 07, 2015**
Registration Number: **0046712091**

Sex:
Date of Birth: **May 30, 1998**
Test Center Number:
High School Code: **392896**
High School Name:
Beaver County Christian School

Critical Reading

750 | 200 to 800
98th National Percentile

Mathematics

660 | 200 to 800
87th National Percentile

Writing

740 | 200 to 800
98th National Percentile

Multiple Choice

78 | 20 to 80

Essay Score

8 | 2 to 12

Online Score Report

Go online to get more details about your performance, including areas of strength and check out additional resources to help you boost your college readiness.

How Did I Score Compared to Others?

A percentile is a number between 1 and 99 that shows how your score ranks compared to other students who took the test. It represents the percentage of students whose scores are below yours. Say, for example, your Math percentile is 47; this means you did better than 47 percent of college-bound seniors. Percentiles are based on the most recent scores earned by students in the previous year's graduating class who took the SAT[®] during high school.

Will My Scores Change and Why?

Your test score represents a snapshot in time. If you took the test multiple times that number would likely be different on each test. This is why a score range may better represent your true ability; it looks at multiple snapshots of your score instead of just one. Usually, Critical Reading, Mathematics, and Writing scores fall in a range of roughly 30 to 40 points above or below your true ability.

Should I Take the SAT Again?

Beginning March 2016, there's a new SAT that's focused on what research shows to be essential for college readiness while reflecting what you're learning in your classes. The best way to get ready for the SAT is by working hard in challenging high school courses, and as you strengthen your skills you may want to take the new SAT to show off what you've learned. To find out more visit collegereadiness.collegeboard.org/sat.



Name: [REDACTED]

RMU ID: 281579

701 9TH AVE
BEAVER FALLS, PA 15010-4551

Degree: Bachelor of Science Date: Cum GPA: Major-Concentration: Engineering - Biomedical
Term: Fall 2016 Credits Transferred: 16

Course	Title	Crs:Att/Ern	GPS	Grd
AHNP1000	INTRO TO NONPROFIT SECTOR I	0.00 0.00	0.00	A
FYSP1005	* HONORS FIRST YEAR STUDIES SEM	1.00 1.00	4.00	A
COSK1225	* HONORS ARGUMENT AND RESEARCH	3.00 3.00	12.00	A
HUMA1015	* HONORS HUMANITIES: ART & MUSIC	3.00 3.00	12.00	A
ENGR1010	INTRODUCTION TO ENGINEERING	3.00 3.00	12.00	A
MATH2070	CALCULUS W/ANALYTIC GEOM I	4.00 4.00	16.00	A
PSYC1010	GENERAL PSYCHOLOGY	3.00 3.00	12.00	A
CHEM1210	CHEMISTRY I	3.00 3.00		AS
CHEM1215	CHEMISTRY I LAB	1.00 1.00		AS
ELIT1999	LITERATURE ELECTIVE	3.00 3.00		AS
HIST1100	UNITED STATES HISTORY I	3.00 3.00		AS
HIST1200	UNITED STATES HISTORY II	3.00 3.00		AS
MATH2040	FINITE MATH & APPLIED CALCULUS	3.00 3.00		AS
NBUS1999	NON-BUSINESS ELECTIVE	3.00 3.00		AS

END OF TRANSCRIPT

Total for Fall 2016 17.00 17.00 68.00
Cumulative Totals: 17.00 17.00 68.00
Term GPA: 4.00
Cum GPA: 4.00

Term: Spring 2017

Course	Title	Crs:Att/Ern	GPS	Grd
AHNP1100	INTRO TO NONPROFIT SECTOR II	0.00 0.00	0.00	A
ENGR2160	ENGINEERING GRAPHICS	3.00 3.00	12.00	A
MATH2170	CALCULUS W/ANALYTIC GEOM II	4.00 4.00	16.00	A
PHYS1210	GENERAL PHYSICS I	3.00 3.00	12.00	A
COSK2225	* HONORS PUBLIC SPEAKING/PERSUAS	3.00 3.00	11.01	A-
MARK3100	PRINCIPLES OF MARKETING	3.00 3.00	12.00	A
PHYS1215	GENERAL PHYSICS LAB	1.00 1.00	4.00	A

Total for Spring 2017 17.00 17.00 67.01
Cumulative Totals: 34.00 34.00 135.01
Term GPA: 3.94
Cum GPA: 3.97