

Trevor Hill

Vinton, VA | trevorhill22@gmail.com | (540)-293-6338

EDUCATION

James Madison University (JMU), Harrisonburg, VA	May 2023
Bachelor of Science in Physics	
Concentration: Applied Physics	
Cumulative GPA: 3.162	
Virginia Western Community College, Roanoke, VA	May 2021
Associate of Science	
Cumulative GPA: 3.873	

RESEARCH AND ANALYSIS EXPERIENCE

Researcher, Advanced Laboratory Research Project, Harrisonburg, VA	August 2022 - December 2022
<ul style="list-style-type: none">• Designed and built a Cellulose Aerogel Replacement for Phenolic Floral Foam.• Analyzed the properties of the Cellulose Aerogel by measuring its volume, drying it with three freeze dry apparatus• Presented research findings to faculty members and students	
Researcher, First Year Research Experience Research Project, Harrisonburg, VA	August 2022 - May 2023
<ul style="list-style-type: none">• Used X-ray imaging and XRF on a group of coins from Rome• Analyzing the composition and how they were made• Reading and Citing Scientific Literature	

COURSEWORK

Machine Shop, Harrisonburg, VA	January 2023
<ul style="list-style-type: none">• Learned how to effectively and efficiently operate lathe, milling machine, metal cutting and laser cutter while adhering to JMU's safety guidelines.• Completed a nine day training in 30 hours — fast paced	
Organic Chemistry Laboratory 1 & 2, Harrisonburg, VA	August 2021 - May 2022
<ul style="list-style-type: none">• Learned how to synthesize, apply spectroscopic methods, chromatographic techniques and some qualitative organic analysis.	
Introduction to Materials Science, Harrisonburg, VA	August 2022 - December 2022
<ul style="list-style-type: none">• Emphasized on general properties of materials, but also included crystal structures and defects	

SKILLS

Python	SolidWorks	Metal Cutting
MATLAB	Lathe	Laser Cutter
CAD	Milling Machine	

Campus Involvement

Learning Assistant, University Physics 1, Harrisonburg, VA	August 2022 - December 2022
<ul style="list-style-type: none">• Helped students with problem sets during class time• Collaborated with the teacher in order to demonstrate physical laws	
Tutor, STEM related courses, Roanoke, VA	August 2019 - May 2021
<ul style="list-style-type: none">• Instructed and motivated students in math and science courses	


THIS IS TO CERTIFY THAT

Trevor Hill

Has Successfully Completed

*Department of Transportation Hazardous Materials Shipper Training
in accordance with the training requirements as outlined in
49 CFR Part 172, Subpart H, and the requirements of Physics
Associates' Radioactive Materials License*

Date: July 14, 2023


Instructor: Tanner Thompson, M.S.
Physics Associates, LLC; Roanoke, VA

Location: Physics Associates, LLC

Physics Associates, LLC

hereby confers this

Certificate of Training

to

Mr. Trevor I. Hill, B.S.

For receiving an annual Radiation Safety Review for Nuclear Medicine

10/3/24

Lee S. Anthony, Jr.

Date

Lee S. Anthony, Jr., M.A., B.S.

Owner of Physics Associates, LLC

THIS IS TO CERTIFY THAT

TREVOR HILL

*Has Successfully Completed the
Radiation Safety-Medical Physics*

Offered by

Physics Associates, LLC of Roanoke, Virginia

And has earned 1.0 Category A CE credit

ASRT Reference Number VAZ0162002



Tanner M. Thompson, M.S.

Date: July 14, 2023

Facility: Physics Associates, LLC

James Madison University



Trevor Isaac Hill

*having completed satisfactorily the requirements of this institution
for the degree of*

Bachelor of Science

*is by the authority of the law of the Commonwealth of Virginia
hereby awarded that Degree with all the Honors, Rights and Privileges
thereto appertaining.*

Given at Harrisonburg, Virginia, this thirteenth day of May 2022.

Jonathan R. Alger
President of the University



Maribeth Wood

Dean

Official Transcript

Institution Info: James Madison University
 South Main Street
 Harrisonburg, VA 22807
 United States

Name: Hill, Trevor Isaac
 Student ID: 113627381
 Address: 3316 Chestnut Mountain Circle
 Vinton, VA 24179
 United States

Recipient: TREVOR ISAAC HILL

Print Date: 08/17/2023

Degree Awarded

Degree: Bachelor of Science
 Confer Date: 05/13/2023
 Plan: Major in Physics
 Sub-Plan: Concentration in Applied Physics

Academic Program

Program: Undergraduate
 Physics - BS Major
 Applied Physics Concentration

Beginning of Undergraduate Record

Fall Semester 2022

Course	Description	Attempted	Earned	Grade	Points
ASTR 220	GENERAL ASTRONOMY I	3.00	3.00	A	12.000
CHEM 361	BIOCHEMISTRY I	3.00	3.00	C	6.000
PHYS 302	SCIENCE PEDAGOGY	2.00	2.00	A	8.000
PHYS 340	MECHANICS	3.00	3.00	C	6.000
PHYS 344	ADV PHYSICS LABORATORY I	1.00	1.00	A-	3.700
PHYS 345	ADV PHYSICS LABORATORY II	1.00	1.00	A-	3.700
PHYS 375	INTRO MATERIALS SCIENCE	3.00	3.00	B	9.000
PHYS 491	SEMINAR	0.00	0.00	A	0.000
PHYS 498R	UG RESEARCH IN PHYS OR ASTR	1.00	1.00	A	4.000

Term GPA	3.082	Term Totals	Attempted	Earned	Points
Cum GPA	3.143	Cum Totals	17.00	17.00	52.400
Academic Good Standing		Cum Totals	44.00	122.00	138.300

Spring Semester 2023

Course	Description	Attempted	Earned	Grade	Points
ASTR 221	GEN ASTR II STAR SYS INTER MED	4.00	4.00	A	16.000
PHYS 239	LAB APPARATUS	1.00	1.00	A	4.000
PHYS 346	ADV PHYSICS LABORATORY III	1.00	1.00	A	4.000
PHYS 360	ANALOG ELECTRONICS	4.00	4.00	B-	10.800
PHYS 490	QUANTUM MECHANICS	3.00	3.00	B	9.000
PHYS 492	SEMINAR	1.00	1.00	B+	3.300
PHYS 498R	UG RESEARCH IN PHYS OR ASTR	2.00	2.00	A	8.000

Term GPA	3.443	Term Totals	Attempted	Earned	Points
Cum GPA	3.223	Cum Totals	16.00	16.00	55.100
Academic Good Standing		Cum Totals	60.00	138.00	193.400

Undergraduate Career Totals

Cum GPA	3.223	Cum Totals	Attempted	Earned	Points
		Cum Totals	60.00	138.00	193.400

End of Official Transcript

Fall Semester 2021

Transfer Credit from Virginia Western Community College, VA
 Applied Toward Undergraduate

Course	Description	Attempted	Earned	Grade	Points
BIO 150	FOUNDATIONS OF BIOLOGY II	0.00	4.00	CR	0.000
BIO 140	FOUNDATIONS OF BIOLOGY I	0.00	4.00	CR	0.000
CHEM 132L	GENERAL CHEMISTRY LAB	0.00	1.00	CR	0.000
CHEM 132	GENERAL CHEMISTRY II	0.00	3.00	CR	0.000
CHEM 131	GENERAL CHEMISTRY I	0.00	3.00	CR	0.000
CHEM 131L	GENERAL CHEMISTRY LAB	0.00	1.00	CR	0.000
CHEM 000	GENERAL CHEM CREDIT	0.00	3.00	CR	0.000
CIS 000	GENERAL CIS CREDIT	0.00	3.00	CR	0.000
ECON 201	INTRODUCTION TO MICROECON	0.00	3.00	CR	0.000
HIST 000	GENERAL HIST CREDIT	0.00	3.00	CR	0.000
MATH 135	ELEMENTARY FUNCTIONS	0.00	3.00	CR	0.000
MATH 000	GENERAL MATH CREDIT	0.00	1.00	CR	0.000
MATH 300	LINEAR ALGEBRA	0.00	3.00	CR	0.000
MATH 237	CALCULUS III	0.00	4.00	CR	0.000
MATH 236	CALCULUS II	0.00	4.00	CR	0.000
MATH 235	CALCULUS I	0.00	4.00	CR	0.000
MATH 338	ELEM DIFFERENTIAL EQUATIONS	0.00	3.00	CR	0.000
PHYS 240	UNIVERSITY PHYSICS I	0.00	3.00	CR	0.000
PHYS 140L	GENERAL PHYSICS LAB I	0.00	1.00	CR	0.000
PHYS 150L	GENERAL PHYSICS LAB II	0.00	1.00	CR	0.000
PHYS 250	UNIVERSITY PHYSICS II	0.00	3.00	CR	0.000
PSYC 101	GENERAL PSYCHOLOGY	0.00	3.00	CR	0.000
REL 101	RELIGIONS OF THE WORLD	0.00	3.00	CR	0.000
SOCI 101	INTRODUCTORY SOCIOLOGY	0.00	3.00	CR	0.000
THEA 210	INTRODUCTION TO THEATRE	0.00	3.00	CR	0.000
UNST 000	GENERAL UNST CREDIT	0.00	2.00	CR	0.000
WRTC 103	RHETORICAL READING AND WRITING	0.00	3.00	CR	0.000
WRTC 000	GENERAL WRTC CREDIT	0.00	3.00	CR	0.000
Course Trans GPA:	0.000	Transfer Totals:	0.00	176.00	0.000

Course	Description	Attempted	Earned	Grade	Points
CHEM 241	ORG CHEM I	3.00	3.00	B	9.000
CHEM 241L	CONCEPTS OF ORGANIC CHEM LAB	1.00	1.00	A	4.000
MATH 248	COMP & NUM ALGORITHMS	4.00	4.00	B	12.000
PHYS 270	MODERN PHYSICS	3.00	3.00	B+	9.900
PHYS 270L	MODERN PHYSICS LABORATORY	1.00	1.00	A	4.000

Term GPA	3.241	Term Totals	Attempted	Earned	Points
Cum GPA	3.241	Cum Totals	12.00	12.00	38.900
Academic Good Standing		Cum Totals	12.00	90.00	38.900

Spring Semester 2022

Course	Description	Attempted	Earned	Grade	Points
CHEM 242	ORG CHEM II	3.00	3.00	B-	8.100
CHEM 242L	ORGANIC CHEMISTRY LAB	2.00	2.00	A	8.000
PHYS 247	DATA ACQUISITION & ANALYSIS II	1.00	1.00	B	3.000
PHYS 260	UNIVERSITY PHYSICS III	3.00	3.00	B	9.000
PHYS 337	SOLID STATE PHYSICS	3.00	3.00	B+	9.900
PHYS 350	ELECTRICITY & MAGNETISM	3.00	3.00	B	9.000

Term GPA	3.133	Term Totals	Attempted	Earned	Points
Cum GPA	3.181	Cum Totals	15.00	15.00	47.000
Academic Good Standing		Cum Totals	27.00	105.00	85.900

Trevor M. Hill to
 James Madison University
 Registrar