

# Nathan M. Anderson

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## EDUCATION

**Illinois Institute of Technology:** Chicago, IL

- Master in Secondary Science Education, May 2009

**St. Olaf College:** Northfield, MN

- Bachelor of Arts in Physics, May 2003
- Student teaching at Hopkins HS
- Presidential Academic Scholarship Recipient (1999-2003)

**Oshkosh West High School:** Oshkosh, WI

- Graduated with Highest Honors, June 1999

## PROFESSIONAL TEACHING EXPERIENCE

**Senior Lecturer - Physics, University Wisconsin Superior, Superior, WI (08/2014 – present)**

- PHYS100 – Astronomy Lecture and Lab – on campus and online
- PHYS160 – Physical Science Lecture & Lab – on campus and online
- PHYS107 – Algebra Physics I Lecture & Lab – on campus
- PHYS108 – Algebra Physics 2 Lecture – on campus
- PHYS300 – History and Philosophy of Science – online
  - Completely redesigned PHYS100, PHYS160, and PHYS300 online courses
- Scholarship of Teaching and Learning Homegrown Research Grant – Summer 2017
  - *Do video lectures improve student assessment scores for distance learning students?*
    - Presented at UW Learning Technology Development Council Virtual Showcase 4/3/2018
- Superior Learning Experience (summer 2020) – instructor

**Physics Lecturer, High Desert Medical College, online (10/2022 – present)**

- Design and teach intensive four-week physics course for cardiac sonography students

**On-Call Teacher, Hartley Nature Center, Duluth, MN (8/2015 – 1/2020)**

- Teach outdoors education for school field trips, mostly elementary, when needed.

**Physical Science Teacher Summer School, ISD709 – Duluth Public Schools, Duluth, MN (05/2015-07/2015)**

- Summer School Physical Science

**Science Teacher, Loyola Academy Jesuit College Preparatory HS, Wilmette, IL (08/2011 – 06/2014)**

- AP Physics B
- Freshman Integrated Chemistry/Physics 1 (advanced elective, physics and chemistry)
- Integrated Chemistry/Physics 2 (physics portion of second year standard and honors)
- Physics 3, 6, & 9 track (low, mid, and honors levels)
- Clavius Scholars Program Group Mentor – 2011-2012
  - Mediated small group student discussions about math, science and environmental justice
- Director of Clavius Scholars Program – 2012–2014
  - Math, science, and environmental justice honors program
  - Organized faculty mentors, arranged field trips, managed curriculum and budget
- Coached Boys Lacrosse

**Science Teacher, Humboldt HS, Saint Paul, MN (08/2010 – 06/2011)**

- Grade 7 Life Science
- Physics & Advanced Physics

**Science Teacher, Hayah International Academy, Cairo, Egypt (08/2009 – 06/2010)**

- Grade 8 Science (general science, physics, chemistry, space science)
- Coached boys basketball

**Science Teacher, Loyola Academy Jesuit College Preparatory HS, Wilmette, IL (08/2004 – 06/2009)**

- Freshman Integrated Chemistry/Physics 1 (advanced elective, physics and chemistry)
- Integrated Chemistry/Physics 2 (physics portion of second year standard and honors)
- Physics 3 & 6 track (low and mid levels)

**Reserve Teacher, Minneapolis School District 1, Minneapolis, MN (02/2004 – 06/2004)**

- Long-term reserve, Patrick Henry High School teaching Mathematics: IMP1, IMP2

**Student Teaching, Hopkins High School, Minnetonka, MN (Fall 2003)**

## **BREWING & CRAFT BEVERAGE EXPERIENCE**

### **ABV Technology St. Paul, MN (6/2023 – present)**

- Quality Engineer – run commercial beverage testing lab, supervise product calibration, confirm engineering documents, de-alcoholizing production

### **ABV Technology St. Paul, MN (2/2023 – 6/2023)**

- Lab Consultant – develop commercial beverage testing lab, de-alcoholizing production

### **Ursa Minor Brewing Duluth, MN (3/2020 – 12/2022)**

- Brewer – prepare wort, cellar, centrifuge, yeast management, package
- Lab Manager - Develop and run QA/QC lab. Grown Beer sensory and evaluation program. Develop yeast propagation and evaluation. Begin contamination testing.

### **Ursa Minor Brewing Duluth, MN (4/2019 – 3/2020)**

- Beer server & pizza cook

### **The Duluth Experience Duluth, MN (4/2018 – 4/2020)**

- Brewery Tour Guide & Bus Driver  
Connecting guests to Duluth.  
Teach about the craft brewing scene, the brewing process and ingredients, and Duluth history.

## **WINE CREATIONS**

- Teach homebrewing & wine making courses

### **Duluth Homebrew Supply DULUTH, MN (7/2015 – 11/2017)**

- Sales Associate  
Retail Sales, helped customers with choosing ingredients, formulating recipes, choosing equipment  
Wrote local beer and brewing articles for web page. (started 4/2017)  
Composed weekly emails with specials and local news (started 5/2017)

## **Homebrewing**

- Over 15 years

### **Cicerone Certified Beer Server (6/2018)**

### **World Brewing Academy Concise Course in Brewing Technology (1/2021)**

### **Special Class Engineer – State of Minnesota Boiler Certification – SP787160 (10/2021)**

## **COACHING & ATHLETICS**

### **Boys Lacrosse**

- YMCA Youth Lacrosse (Summers 2017 & 2018)  
Developed and coached 4-9 year-old introduction to lacrosse
- Boys 9/10 Coach – Duluth Chargers Lacrosse Club (2015)
- Boys Freshman & JV Coach - Loyola Academy (2005-2009, 2012-2014)
- Assistant Varsity Coach - Hopkins Minnesota High School (2004)

### **Boys Basketball**

- Hayah International Academy (2010)

### **Baseball**

- Varsity Letter Oshkosh West High School (1997-1998 & 1998-1999)

## **OTHER**

### **Eagle Scout (1998)**

- Project ID – created ID cards for elementary students

### **BSA Camp Gardner Dam White Lake, WI (1995-1998)**

- Summer Camp Counselor