So you think you want to major in physics...

Did you ever seriously consider majoring in engineering?

- Yes, I applied multiple times to engineering, but was not accepted. 8%
- Yes, but I was not accepted into the engineering major of my choice. 18%
- Yes, but I never applied to engineering. I decided I liked physics better. 46%
- No. 26%
- Yes, I was admitted to engineering, but switched to (or double majored in) physics 2%

Cohort: Physics majors who applied to graduate in 2015-16
UW Trends

UW Undergraduates: 11% Growth

STEM
63% growth

Non-STEM
14% shrinkage

Declared Majors

- Computer Sci and Eng
- Chemistry
- Public Health
- Mathematics
- Art
- Political Science
- Economics
- Physics
- Communication
- Mechanical Eng
- Civil and Env Eng
- English

Fall Quarter Enrollment Trend by STEM Student Category

- Au06
- Au16

Fall Quarter Enrollment Trend by STEM Student Category

- Au06
- Au16

Number of Students

0 400 800 1200
**Top 10 Reasons Why You Should Take Physics**

1. If you get stuck inside of a black hole, you'll know how to get out.
2. The laws of physics are 100% recession-proof, and the jobs you can get with physics are pretty darn secure too.
3. Physics will get you a better score on any test whose name has three or four capital letters—SAT, ACT, MCAT, LSAT or GRE.
4. If you study engineering, you can do engineering. If you study physics, you can still do engineering.
5. *π* = ma
6. *E* = mc²
7. Without physics there would be NO: grocery laser scanners, space rockets, light bulbs, digital cameras, cars, cell phones, airplanes, solar panels, fiber optics, DVD players, computers, MP3 players, flat screen TVs. get the picture?
8. The lasers to develop new medical techniques.
9. Help solve the world’s energy problems.
10. Someone call a physicist!

---

**Average Annual Salaries 2015 – Bureau of Labor Statistics**

- **Physics**
- **Chemists**
- **Computer scientists**
- **Computer network support specialists**
- **Engineering managers**
- **Astronomers**
- **Comp sci profs**
- **Comp user support specialists**
- **Computers systems analysts**
- **Comp. systen analysts**
- **Materials eng.**
- **Software developers**
- **Mechanical eng.**
- **Computer systems admins**
- **Computer network support**
- **Petroleum engineers**
- **Web developers**
- **Science technician**
- **Natural sciences managers**
- **Physics profs**
- **Electrical eng.**
- **Programmers**
- **Web developers**
- **Atmos & space sci.**
- **Comp. syste analysts**
- **Atmos & space sci.**
- **Petroleum engineers**
- **Engineering managers**
- **Chemical eng**

---

http://www.bls.gov/news.release/ocwage.t01.htm
UW Produces ~ 1.5% of US Physics BS

Data from AIP Statistics  www.aip.org/statistics/undergraduate/enrollments
UW Physics Majors are Satisfied

1.19 ± 0.91 (-2 = very dissatisfied, +2 = very satisfied)

How satisfied are you with your choice of physics as a major?

Please grade the Physics Dept. on the following items.

- Content and quality of the overall program.
- Quality of Instruction
- Instructors Concern for Students
- Welcoming Atmosphere

0% 20% 40% 60% 80% 100%

- Poor  - Fair  - Good  - Very Good  - Excellent
Topics

- Physics Student Services Resources
- Declaring a Major
  - Background for change
  - Transcript-based admission
  - Petition-based admission
- Why choose physics? Career Options?
  - National resources
- Degree requirements
Physics Student Services: C139/C141

- **Staff Advisors**
  - Margot Nims
    - All undergraduate issues
  - Catherine Provost
    - All graduate issues
    - Grad school-related UG issues

- **Faculty Advisor**
  - Prof. Marjorie Olmstead
    - advice from a faculty member
    - petition admission to major
    - waivers and substitutions; transfer credit equivalency

- **Program Assistant**
  - Paula Newcomer: will start December 5
Declaring a Physics Major

- Transcript-Based Admission
  - Minimum criteria
  - Not competitive
  - No cap on number of majors

- Petition-Based Admission
  - Route if do not meet minimum criteria

- Goal of admissions criteria
  - Fewer students who “park” by default in major
  - Fewer students who are not interested in physics
  - Fewer students who drop out of university
Why Implement Admissions Criteria?

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Declared Major in 2011-12</td>
<td>188</td>
<td>100%</td>
</tr>
<tr>
<td>Phys B.S. by Au15</td>
<td>106</td>
<td>56%</td>
</tr>
<tr>
<td>Other UW Degree by Au15</td>
<td>23</td>
<td>12%</td>
</tr>
<tr>
<td>Still Enrolled in Au15</td>
<td>4</td>
<td>2%</td>
</tr>
<tr>
<td>Not Enrolled, No Degree in Au15</td>
<td>55</td>
<td>30%</td>
</tr>
</tbody>
</table>

Over half of students who declared major and then left dept took no physics 2 qtrs prior to declare; 36% not taking physics when declared.
Majors Quarterly Math/Phys GPA

Physics B.S. Graduates

Left UW without Degree

Individual Students who received Physics B.S.
(1/4 of total)

Time Relative to Physics 227 (Years)

Students who Declared Physics
Then Left UW

Time Relative to Physics 227 (Years)

GPA Color Scale

1.5 2.0 2.5 3.0 3.5 4.0

No Phys/Math
Declare Major

Many students spend many quarters having trouble
## Impact of Filter

### Number (percentage) not eligible for transcript-based admission

<table>
<thead>
<tr>
<th>Category of Declared Physics Majors</th>
<th>Total N</th>
<th>Years Relative to Physics 227</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>t = 0</strong></td>
</tr>
<tr>
<td>Registered for, but did not finish 227 Left without degree</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Passed Phys 227 Left without degree</td>
<td>80</td>
<td>47 (59%)</td>
</tr>
<tr>
<td>All who received Phys B.S.</td>
<td>338</td>
<td>126 (37%)</td>
</tr>
<tr>
<td>Transfer 123 Phys B.S.</td>
<td>65</td>
<td>*</td>
</tr>
<tr>
<td>URM Phys B.S.</td>
<td>33</td>
<td>14 (42%)</td>
</tr>
<tr>
<td>Female Phys B.S.</td>
<td>62</td>
<td>16 (26%)</td>
</tr>
</tbody>
</table>

* Now changed: CC courses count
How to Declare a Major

www.phys.washington.edu

Declaring a Physics Major

Students may be admitted to the physics major at the Washington, Seattle, either through transcript-based petition. Students who meet the requirements for transfer (details below) may be admitted to the physics major undergraduate advisor, Margot Nims. In brief, transcript requires students to be enrolled in a UW-Seattle core (just completed one) and to have completed at least one additional core physics or math class with a grade during the previous two quarters (three, if you took a must also complete a graduation plan and discuss it with the physics major advisor).

Students wishing to major in physics who do not meet the requirements are encouraged to use the petition process for admission. Guaranteed admission is granted to students who complete the following requirements:

- Complete the following courses with a grade of 2.0 or higher:
  - MATH 124, 125, and 126
  - PHYS 124, 125, and 126
  - PHYS 305
  - PHYS 306
  - PHYS 406

- Complete the following courses with a grade of 2.0 or higher:
  - CHEM 131, 132, and 133
  - PHYS 305
  - PHYS 306
  - PHYS 406

- Complete the following courses with a grade of 2.0 or higher:
  - PHYS 124, 125, 126, 305, 306, 406, and 407

- Complete the following courses with a grade of 2.0 or higher:
  - PHYS 124, 125, 126, 305, 306, 406, and 407
  - CHEM 131, 132, and 133

- Complete the following courses with a grade of 2.0 or higher:
  - PHYS 124, 125, 126, 305, 306, 406, and 407
  - CHEM 131, 132, and 133
  - MATH 124, 125, and 126
Transcript-Based (Minimum Criteria)

- During the qualifying quarters, a student must have received a grade of **at least 2.6** in both one qualifying course from List 1 and at least one additional qualifying course from either List 1 or List 2. A student must also either be enrolled in a List 1 course at UW Seattle during the quarter in which the application is submitted, or have completed a List 1 class at UW Seattle during the previous quarter.

- Students must prepare a **quarter-by-quarter, realistic course schedule** that will result in a physics degree in their chosen degree option (Applied, Comprehensive, Biological or Teaching) in a reasonable period of time. Students will discuss their graduation plan with the Undergraduate Advisor when declaring a physics major.

- **List 1: Core Physics Lecture Classes**
  - Physics 121, 122, 123, 224, 225, 226, 227, 228
  - Physics 321, 322, 323, 324, 325, 328, 329 and Astronomy 321, 322, 323

- **List 2: Core Math Classes**
  - Math 124, 125, 126, 134, 135, 136, 307, 308, 309, 324
  - Applied Math 301, 351, 352, 353, 401

- **Qualifying quarters**: Admission will be based on the **two quarters immediately preceding the student’s application to the major**. If a student was not enrolled during one of those two quarters (e.g., summer, internship or study abroad), then it will be based on the three immediately preceding quarters. These courses need not have been at UW.
Catalyst Form for Admission

1. Name, Email, Student Number
2. Degree option and planned graduation date
3. List 1 physics course you are currently taking
4. Highest List 1 grade in prev. 2\textsuperscript{+} qtrs
5. (Next) highest List 1/List 2 grade in prev 2\textsuperscript{+} qtrs
6. Enter plan into MyPlan and go see Margot Nims

If any of:
• 3 is blank
• 4 is < 2.6 or blank
• 5 is < 2.6 or blank

PETITION or WAIT (and come in for advising)

List 1 = Physics n2x
List 2 = Math/AMath requirement

\textsuperscript{+}3, if took qtr off
Petition-based Admission

- At least one List 1/2 course should have been completed at UW Seattle during a qualifying quarter. Proposed exceptions to this criterion (e.g., you are currently enrolled in, but have not completed, any qualifying courses) must be strongly supported in your personal statement.

- **Personal Statement.** Address goals and objectives, past academic performance, successes not on your transcript and support network.

- **Graduation Plan.** Complete a quarter-by-quarter, realistic course schedule that will result in a physics B.S in a reasonable period of time.

- **Interview.** Meet to discuss your Personal Statement and Graduation Plan with the Undergraduate Faculty Advisor.

- Rejected students may reapply after passing an additional qualifying course.
Personal Statement

- **Goals and objectives:** Why do you want to major in physics?
- **Past academic performance:** What has gone well for you? What has not? What is your assessment of what makes a difference? Were you hampered by inadequate high school preparation? Did you have significant non-academic time commitments?
- **Successes not on your transcript:** What leadership, family, volunteer, or work accomplishments are you proud of?
- **Support network:** What academic and social resources will you use to support your future success in the physics major?

All of you should think about these items, whether or not you are petitioning!
Questions on Process?

Next: Why major in physics?
**Average Annual Salaries 2015 – Bureau of Labor Statistics**

- **Natural sciences managers**
- **Engineering managers**
- **Computer scientists**
- **Software developers**
- **Comp. systen analysts**
- **Mechanical eng.**
- **Computer systems admins**
- **Computer network support**
- **Comp user support specialists**
- **Astronomers**
- **Chemical eng**
- **Materials eng.**
- **Physics profs**
- **Electrical eng**
- **Comp Sci profs**
- **Chemists**
- **Web developers**
- **EE technician**
- **Science technician**
- **Graduate teaching assistants**

http://www.bls.gov/news.release/ocwage.t01.htm
STEM Degree or STEM Career?

- Only about 1/4 of employed STEM majors are “STEM workers”
- “STEM-related” = mostly healthcare
- I am a “non-STEM” - “Educator”
- “STEM” includes Social Sciences

https://www.census.gov/dataviz/visualizations/stem/stem-html/
Major and Career Not Same Thing

https://www.census.gov/dataviz/visualizations/stem/stem-html/
Post-Graduation Physics BS

UW 2015
- Work: 58%
- Work or Grad: 19%
- Physics Grad: 13%
- Other Grad: 10%

National 2013-14
- Work: 41%
- Phys Grad: 32%
- Other Grad: 22%
- Unemployed: 5%

UW Physics 2014-15 Grads [On Grad Application (N=128)]
National Data 2013-14 Grads (aip.org/statistics)
Who hires physics bachelor’s?

- Washington Employers that recently hired new physics bachelor recipients
  https://www.aip.org/statistics/washington
  - Amazon
  - Areva
  - Bainbridge Parks & Recreation
  - Battelle
  - Best in Class Education Center
  - Blue Box Group
  - Bombsheller
  - Bruker Elemental
  - Cascade Gasket, Inc.
  - Chipton Ross
  - Corvus and Columba LLC
  - David Evans and Associates, Inc.
  - Det Norske Veritas
  - Device Inside, Inc.
  - Eagle Harbor Technologies, Inc.
  - Electroimpact
  - Exotic Metals Forming Company
  - Financial Partners, Inc.
  - Flexasoft
  - Google
  - Gravity Jack, Inc.
  - HopeSource
  - Hewlitt Packard
  - Intentional Software
  - L&S Engineering.
  - Lockheed Martin
  - Logos Bible Software
  - Marchex, Inc.
  - Micro Encoder, Inc.
  - Microsoft
  - Milliman
  - NAVSEA
  - NW Medical Physics Ctr
  - Octapharma Plasma, Inc.
  - PNNL
  - Pellego
  - Physio-Control
  - Procure Treatment Centers
  - PSC Biotech
  - Puget Sound Naval Shipyard
  - RAFI USA
  - Randstad
  - Red Head Steering Gears
  - Schneider Electric
  - Schweitzer Engineering Labs.
  - Seattle Children's Research Inst.
  - Space-X
  - Tableau Software
  - TecAce Software Limited
  - Telect, Inc.
  - TigerStop
  - US Navy
  - University of Washington
  - Woodruff Scientific Computing
  - X2 Biosystems
  - Zulily

# Common Job Titles for Physics B.S.

These job titles were obtained from surveys of physics bachelor’s recipients from the classes of 2009 and 2010, conducted by the American Institute of Physics Statistical Research Center. They are not exhaustive or exclusive.

## Computer Hardware & Software
- Analyst
- IT Consultant
- Programmer
- Software Engineer
- Systems Analyst
- Technical Support Staff
- Web Developer

## Engineering
- Application Engineer
- Associate Engineer
- Design Engineer
- Development Engineer
- Electrical Engineer
- Engineering Technician
- Field Engineer
- General Engineer
- Laser Engineer
- Manufacturing Engineer
- Manufacturing Technician
- Mechanical Engineer
- Optical Engineer
- Process Engineer
- Process Technician

## Research & Technical
- Accelerator Operator
- Lab Assistant
- Lab Technician
- Physical Sciences Technician
- Research Assistant
- Research Associate
- Research Technician
Knowledge and Skills Regularly Used by Physics Bachelor’s Employed in the Private Sector, Classes of 2011 & 2012 Combined.

- Solve Technical Problems
- Work on a Team
- Technical Writing
- Design & Development
- Use Specialized Equip.
- Perform Quality Control
- Manage Projects
- Knowledge of Phys. or Ast.
- Programming
- Work with Customers
- Advanced Math
- Simulation or Modeling
- Manage People
- Manage Budgets

Employment in Engineering vs. Employment in Computer Science or Information Technology

Percent Regularly Using Knowledge or Skill

0 25 50 75 100
**Why Go to Grad School?**

- Deeper understanding of a subject
- Better/different job prospects
- Participate in the excitement of the intellectual frontier

**DON’T**
- Assume automatic faculty position
- Drift into graduate school
Grad School FAQ

❖ How long?
   ➢ 5 – 7 yr to PhD; 2 yr to M.S.

❖ Cost?
   ➢ You get paid (and your tuition does, too)

❖ Requirements?
   ➢ Comprehensive track PLUS more electives
   ➢ Physics GPA >~3.5
     • UW Physics PhD Admits: average = 3.85; none below 3.4
   ➢ 3 Excellent letters of recommendation
   ➢ Research experience
What can I do with a PhD other than Profess?

Common Careers of Physicists in the Private Sector
PhDs educated in the U.S. 10-15 years earlier

- Self-employed
- Finance
- Gov’t Contractors
- Health & Medicine
- Industry
  - Engineering
  - Computer Science
  - Physics
  - Other STEM
  - Non-STEM

Most Common Activities:
- solving complex problems
- managing projects
- writing for a technical audience
Resources for More Information

https://www.spsnational.org/career-resources

https://www.aip.org/career-resources
What do I have to do to graduate?

www.phys.washington.edu

UNDERGRADUATE

BS in Physics

Core

Comprehensive
Applied
Biological
Teaching
UW Physics Major Options

- **Comprehensive**
  - Graduate school in physics or astronomy
  - Full range of physics and math

- **Applied**
  - Technical job at B.S. level or M.S. in engineering
  - More flexibility in electives

- **Teaching**
  - Communicate science to HS or general audience
  - Physics by Inquiry sequence

- **Biological**
  - Medical school or grad school in biophysics
  - 7 quarters of biology and chemistry in addition to physics core
# Physics Core Courses

<table>
<thead>
<tr>
<th>Core Classes (55/6 cr)</th>
<th>Mechanics, Elect. &amp; Mag., Waves, Thermo, Modern I Intro to Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 124, 125, 126 1 from math menu: Math 307, 308, 309, 324, 326; Amath 351, 352, 353, 401</td>
<td></td>
</tr>
<tr>
<td>227 321, 322 334</td>
<td>Math Phys Electricity and Magnetism I&amp;II Electronics Laboratory</td>
</tr>
</tbody>
</table>
# Physics Option Requirements

<table>
<thead>
<tr>
<th></th>
<th>Comprehensive (+38-41 cr)</th>
<th>Applied (+34-39 cr)</th>
<th>Teaching (+38-41 cr)</th>
<th>Biological (+51-55 cr)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Math</strong></td>
<td>Phys 228 (Math Phys) + 2 MM</td>
<td>AMATH 301 (MatLab) +2 of {Phys 228 +MM}</td>
<td>Phys 228 + 2 MM</td>
<td>Phys 228 + 1 MM</td>
</tr>
<tr>
<td><strong>32x</strong></td>
<td>226, 324 (Part; QM2) 3 of junior level E&amp;M, QM, Astro, Classical Mech, Stat Mech</td>
<td>One from 226, 323, 324, 329 (Part., E&amp;M3, QM2, Classical)</td>
<td>226, 324 (Part; QM2) One from E&amp;M, QM, Mechanics</td>
<td>324 (QM2) 328 (Statistical) One from 226, 323, 325, 329</td>
</tr>
<tr>
<td><strong>Lab</strong></td>
<td>Two advanced labs</td>
<td>231 (intermediate lab) Two advanced labs</td>
<td>One advanced lab</td>
<td>(in bio/chem)</td>
</tr>
<tr>
<td><strong>Capstone</strong></td>
<td>3 cr Research or Sem</td>
<td>3 cr Research or Sem</td>
<td>3 cr teaching</td>
<td>3 cr in bio-related research</td>
</tr>
<tr>
<td><strong>UD Elect</strong></td>
<td>2 additional Phys/Cognate Class</td>
<td>3 additional 32x, Phys/Cognate (may include 1 lab; 1 intro sci)</td>
<td>407-8-9 (physics for future teachers)</td>
<td>429 (Biophysics)</td>
</tr>
<tr>
<td><strong>Other Sci</strong></td>
<td></td>
<td></td>
<td></td>
<td>3 chem classes 2 bio 2 additional bio/chem</td>
</tr>
</tbody>
</table>

[Table with physics option requirements]
# Physics Minor

<table>
<thead>
<tr>
<th>Core</th>
<th>Mechanics, Elect. &amp; Mag., Waves, Thermo, Quantum I</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phys: 121, 122, 123 224, 225 (or 248)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialization (Pick 1)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics Education</td>
<td>Physics by Inquiry Series Phys 407-408-409</td>
</tr>
<tr>
<td>Experimental Physics</td>
<td>Intro Laboratory Analysis: Phys 231 Electronics: Phys 334 Additional Advanced Lab</td>
</tr>
<tr>
<td>Mathematical Physics</td>
<td>Math Physics I and II: Phys 227, 228 Either Electricity &amp; Magnetism (321) or Quantum Mechanics (324)</td>
</tr>
</tbody>
</table>
Students finish in 4-5 Yrs even if start physics late

Cohort = 331 physics grads 2011-2015 with 227 since 2009

Cohort = 423 Physics B.S. 2011-2015
24000 UW Grads 2011-2015

Physics majors are more likely to stay extra year than overall UW
What delays students?

- I have changed majors or chosen a major late.
- There are too few credits given per required core...
- I am pursuing two or more majors/degrees
- I have been delayed by inability to enroll in physics...
- I took fewer courses each quarter so that I could get...
- Health or other personal problems slowed my progress.
- I have been delayed by inability to enroll in non...
- I have been unable to take full course loads due to...
- I took some time off for travel or other non-work...
- There were not enough physics classes offered at the...
- Something else (please describe below)

Number of Students Reporting
(of 137 total; 88 checking at least one box)

- of minor importance
- somewhat important
- reasonably important
- very important
## There is no such thing as a standard path

### Core Physics Lecture Requirements

Cohort: Graduates A10 to Sp15 who completed Phys 227 by A09

<table>
<thead>
<tr>
<th>N</th>
<th>%</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>331</td>
<td>100</td>
<td>Physics B.S. A10 to Sp15, 227 by A09</td>
</tr>
<tr>
<td>249</td>
<td>75</td>
<td>Completed Mechanics by end of 1(^{st}) yr</td>
</tr>
<tr>
<td>222</td>
<td>67</td>
<td>Took Full Intro sequence at UW</td>
</tr>
<tr>
<td>146</td>
<td>44</td>
<td>Took Mechanics first year at UW</td>
</tr>
<tr>
<td>97</td>
<td>29</td>
<td>Took Waves in first year at UW</td>
</tr>
<tr>
<td>46</td>
<td>14</td>
<td>Took Mechanics first quarter at UW</td>
</tr>
<tr>
<td>38</td>
<td>11</td>
<td>Mechanics 1(^{st}) qtr, Waves 3(^{rd}) Qtr at UW</td>
</tr>
<tr>
<td>21</td>
<td>6</td>
<td>Then took MP-1 next Autumn</td>
</tr>
<tr>
<td>16</td>
<td>5</td>
<td>Took Thermal Phys that Aut &amp; QM-1 Winter    *</td>
</tr>
<tr>
<td>11</td>
<td>3</td>
<td>Took E&amp;M 1 following Aut &amp; E&amp;M 2 Winter     *</td>
</tr>
<tr>
<td>6</td>
<td>2</td>
<td>Graduated in 3.75 yrs (only 1 took Electronics in sequence)</td>
</tr>
<tr>
<td>2</td>
<td>&lt;1</td>
<td>Took at least 1 400-level (non-lab) physics elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Yr</th>
<th>Aut</th>
<th>Win</th>
<th>Spr</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mechanics</td>
<td>E&amp;M</td>
<td>Waves</td>
</tr>
<tr>
<td>2</td>
<td>Thermal Math Phys 1</td>
<td>Quantum 1</td>
<td>Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electronics</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>E&amp;M 1</td>
<td>E&amp;M 2</td>
<td>Elective</td>
</tr>
<tr>
<td>4</td>
<td>Elective 4xx</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

*The “&” here didn’t lose any students. These students also took MP-2 and QM-2*
To find these slides (in a day or two) and info about the physics major, go to www.phys.washington.edu & click on “UNDERGRADUATE”.

Prof. Marjorie Olmstead  
ufaphys@uw.edu  
PAT C141

So now do you think you want to major in physics ...?

Autumn Quarter Office Hours  
PAT C141  
Tues: 3:00 pm – 5:00 pm  
Wed: 1:30 pm – 3:30 pm  
Thu: 9:00 am – 11:00 am  
Fri: 11:00 am – 1:00 pm