

Physics, BA



University of Wyoming

| Freshman Fall Semester | | Hrs | Min Grade | Notes |
|------------------------|-------------------------------|-----------|-----------|---------|
| * | PHYS 1210 College Physics I | 4 | | |
| *# | MATH 2200 Calculus I | 4 | C | USP Q |
| | CHEM 1020 General Chemistry I | 4 | | USP PN |
| † | First-Year Seminar | 3 | C | USP FYS |
| Credit hours subtotal: | | 15 | | |

| Freshman Spring Semester | | Hrs | Min Grade | Notes |
|--------------------------|------------------------------|-----------|-----------|-------------------------|
| * | PHYS 1220 College Physics II | 4 | | Prereq PHYS 1210 |
| * | MATH 2205 Calculus II | 4 | C | USP Q; Prereq MATH 2200 |
| # | Communication I | 3 | C | USP COM1 |
| ‡ | 4-credit elective USP course | 4 | | USP PN |
| Credit hours subtotal: | | 15 | | |

| Sophomore Fall Semester | | Hrs | Min Grade | Notes |
|-------------------------|--|-----------|-----------|------------------|
| F* | PHYS 2310 College Physics III - Waves and Optics | 4 | | Prereq PHYS 1220 |
| * | MATH 2210 Calculus III | 4 | | Prereq MATH 2205 |
| | COSC 1010 Computer Science I | 4 | | |
| ‡ | elective USP course | 3 | C | USP COM2 |
| Credit hours subtotal: | | 15 | | |

| Sophomore Spring Semester | | Hrs | Min Grade | Notes |
|---------------------------|---|-----------|-----------|------------------|
| S* | PHYS 2320 College Physics IV - Modern Physics | 3 | | Prereq PHYS 1220 |
| S | PHYS 4210 Classical Mechanics I | 3 | | Prereq PHYS 2310 |
| | elective course (perhaps from second major) | 3 | | |
| ‡ | elective (A&S suggests 4-credit Foreign Language) | 4 | | USP H |
| ‡ | elective USP course | 3 | | ASG |
| Credit hours subtotal: | | 16 | | |

Notes:

*Not finishing this class by the listed semester may greatly delay degree completion
 # the university suggests that this USP requirement should be completed in freshman year
 † the university advises that this USP requirement must be completed in freshman year
 S,F only offered in the Spring, Fall semester SS only offered every other Spring semester
 ‡ USPs except FYS & COM must be taken outside of our department. The scheduling of USPs is interchangeable but you must ultimately take 6 credits of H & PN and 3 each of V, COM1, COM2, COM3, FYS & Q. You must also take 3 credits each of the A&S Core required courses (ASD and ASG). Note that to limit to close to 120 total credit hours requires "doubling up" on some requirements (easiest may be ASD and ASG with H)

Physics, BA



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| Junior Fall Semester | | Hrs | Min Grade | Notes |
|------------------------|---|-----------|-----------|------------------|
| ‡ | elective USP course | 3 | | ASD |
| F | PHYS 4410 Electricity and Magnetism I | 3 | | Prereq PHYS 4410 |
| F | PHYS 4310 Quantum Mechanics I | 3 | | Prereq PHYS 4410 |
| | MATH 2310 Applied Differential Equations | 3 | | Prereq MATH 2205 |
| | elective (A&S suggests 4-credit Foreign Language) | 4 | | USP H |
| Credit hours subtotal: | | 16 | | |

| Junior Spring Semester | | Hrs | Min Grade | Notes |
|------------------------|--|-----------|-----------|----------------------------|
| ‡S | PHYS 3650 Advanced Lab Modern Physics | 4 | C | USP COM3; Prereq PHYS 2320 |
| ‡ | elective USP course | 3 | | USP V |
| | Upper division elective, perhaps from second major | 3 | | |
| SS | Upper division elective, PHYS 4350, PHYS 4830 | 3 | | |
| | Upper division elective, perhaps from second major | 3 | | |
| Credit hours subtotal: | | 16 | | |

| Senior Fall Semester | | Hrs | Min Grade | Notes |
|------------------------|--|-----------|-----------|------------------|
| F | PHYS 4510 Thermodynamics and Statistical Method | 3 | | Prereq PHYS 4310 |
| | Upper division elective, perhaps from second major | 3 | | |
| | Upper division elective, perhaps from second major | 3 | | |
| | Upper division elective, perhaps from second major | 3 | | |
| | Upper division elective, perhaps from second major | 3 | | |
| Credit hours subtotal: | | 15 | | |

| Senior Spring Semester | | Hrs | Min Grade | Notes |
|------------------------|--|-----------|-----------|-------|
| | Upper division elective, perhaps from second major | 3 | | |
| | Upper division elective, perhaps from second major | 3 | | |
| SS | Upper division elective, PHYS4350, PHYS 4830 | 3 | | |
| | Upper division elective, perhaps from second major | 3 | | |
| Credit hours subtotal: | | 12 | | |

TOTAL CREDIT HOURS: 120

Notes:

NOTES

*** A&S requires at least 120 credits and the university requires at least 48 credits at 3000+ level
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