Date:

Name:

BenU ID #: Semester of Entry:

**Freshman Rules**
2014-2015
Academic Year

Benedictine University®

# Bachelor of Science in Physics

Biological Physics

## Inquiry Curriculum Requirements | A Liberal Arts Curriculum

### Basic Skills | Grade of "C" or better required. 12

| COLLEGE | COURSE | | CR | GR |
|---|---|---|---|---|
| | | WRIT S101 Writing Colloquium | 3 | |
| | | WRIT S102 Research Writing | 3 | |
| | | SPCH S110 Basic Speech | 3 | |
| | | MATH S105 Finite Math or | 3 | |
| | | MATH S110 College Algebra | 3 | |

### Interdisciplinary Seminars | Must be completed at BenU. 6

| COLLEGE | COURSE | | CR | GR |
|---|---|---|---|---|
| BenU | IDS 201 | Catholic and Benedictine Intellectual Traditions (WI) | 3 | |
| BenU | IDS 301 | Human Dignity or The Common Good | 3 | |

### Modes of Inquiry (MI) | Scholars Program students please refer to specific checklist for requirements.

| COLLEGE | COURSE | | CR | GR |
|---|---|---|---|---|
| | | **Arts and Humanities** | | 15 |
| | | Religions/Theological (QRT) | | |
| | | Philosophical (QPL) | | |
| | | Historical (QHT) | | |
| | | Literary/Rhetorical (QLR) | | |
| | | Artistic/Creative (QCA) | | |
| | | **Natural Sciences** | | 9 |
| Satisfied by Major | | Life-Scientific (QLS) | — | — |
| Satisfied by Major | | Physical-Scientific (QPS) | — | — |
| Satisfied by Major | | Computational, Math and Analytical (QCM) | — | — |
| | | **Social Sciences I and II** | | 6 |
| | | Individuals/Organizations/Societies (QIO) | | |
| | | Political/Global/Economic Systems (QPE) | | |

### Cocurricular | Requirements may be met through MI or major courses.

| Course or Experience | | | |
|---|---|---|---|
| | | ☐ | Global Designation (G) |
| | | ☐ | Sustainability (S) |
| BenU | IDS 201 | ☒ | Writing Intensive (WI) |
| BenU | TBD | ☒ | Writing Intensive (WI) |
| | | ☐ | Writing Intensive (WI) |

### Notes | All Undergraduate Degree Programs

GRADUATION REQUIREMENT: Students must submit a total of 120 semester credit hours (with a minimum GPA of 2.0 from Benedictine University courses) of which 45 semester credit hours, including 12 semester credit hours at the 200 level or above in the major field, must be from Benedictine University.

INQUIRY CURRICULUM REQUIREMENTS: Remaining MI courses must be chosen from classes labeled with appropriate designation in catalog or course schedule. Some MI requirements are satisfied by major requirements. Substitutions are not allowed after entry.

## Graduation Requirement | Min. Semester Credit Hours 120

### Major Requirements | Grade of "C" or better required. 64

| COLLEGE | COURSE | | CR | GR |
|---|---|---|---|---|
| | | MATH 210 Calculus for Physical Sci I ① | 5 | |
| | | MATH 211 Calculus for Physical Sci II | 4 | |
| | | MATH 212 Calculus for Physical Sci III | 4 | |
| | | CHEM 113 General Chemistry I | 3 | |
| | | CHEM 115 General Chemistry I Lab ③ | 1 | |
| | | CHEM 123 General Chemistry II | 3 | |
| | | CHEM 125 General Chemistry II Lab ③ | 1 | |
| | | BIOL 197 Prin of Organismal Biology | 3 | |
| | | BIOL 198 Principles of Biology | 3 | |
| | | BIOL 199 Principles of Biology Lab | 1 | |
| | | BIOL 250 Genetics | 3 | |
| | | BIOL 251 Genetics Lab | 1 | |
| | | PHYS 205 University Physics I Lab | 1 | |
| | | PHYS 206 University Physics II Lab | 1 | |
| | | PHYS 207 Modern Physics Lab | 1 | |
| | | PHYS 211 University Physics I | 4 | |
| | | PHYS 212 University Physics II | 4 | |
| | | PHYS 213 Modern Physics | 3 | |
| | | PHYS 313 Classical Thermodynamics | 3 | |
| | | PHYS 315 Quantum & Stat Mechanics | 3 | |
| | | PHYS 323 Biophysics with Lab | 4 | |
| | | PHYS 398 Research | 2 | |
| | | PHYS Elective 200 or 300 Level | 3 | |
| | | PHYS Elective 300 Level ② | 3 | |

### Major Specific Notes | Physics with Biological Physics Concentration

All major and cognate courses must be completed with a grade of "C" or better.

① MATH 210 may be replaced by taking both MATH 170 and MATH 200.

② Three semester credit hours at the 300 level in any of BIOL, BCHM, CHEM, MATH or PHYS.

③ Or NTSC 151 and NTSC 152.

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**Bachelor of Science in Physics**

Biological Physics

**Graduation Requirement** | Min. Semester Credit Hours **120**

## Summary of Evaluation

* Please consult with your department advisor regarding further evaluation of major credits and remaining major requirements.

| | Hours Completed | Hours Remaining |
|---|---|---|
| Basic Skills | | |
| Interdisciplinary Seminars | | |
| Arts and Humanities Modes of Inquiry | | |
| Natural Sciences Modes of Inquiry | | |
| Social Sciences Modes of Inquiry | | |
| Major | * | * |
| Electives | * | * |
| TOTAL | | * |

## Summary of Transferable Credit

The following semester credit hours will be posted to your transcript.

## Notes

Highest level of math completed (if applicable).

## Minor

Minors are optional, but recommended. Please see the Benedictine University Undergraduate Catalog and the department for specific requirements. List courses taken toward earning a minor.

## General Electives

General Elective courses may be necessary to meet graduation requirement of 120 semester credit hours. Students may list completed courses below.

## Residency Requirements

Please note the checked boxes that apply to you:

- ☒ A minimum total of 120 semester credit hours are required for graduation (with a minimum cumulative GPA of 2.0 from Benedictine University).
- ☒ 55 semester credit hours at the baccalaureate level must be completed at a four-year regionally accredited college/university.
- ☒ At least 12 semester credit hours at the 200 level or above in the major field must be from Benedictine University.
- ☐ 45 semester credit hours must be completed at Benedictine University.
- ☐ At least 30 of your final 45 semester credit hours must be completed at Benedictine University.
- ☐ At least the last 30 semester credit hours of your undergraduate degree must be completed without interruption at Benedictine University as a degree-seeking student.

## Special Notes

1. This checklist is applicable for the major indicated. If a different major is chosen, the requirements for the major, modes and semester credit hours remaining will vary.
2. This checklist is for advising purposes. Students must follow the requirements for graduation as outlined in the University Undergraduate Catalog at their term of entry.
3. Semester credit hours in progress are not included in the totals of this evaluation. Additional semester credit hours will be credited upon receipt of credentials.
4. Courses must have a grade of “C” or better to be accepted in the Basic Skills and the major or minor area. A grade of “D” or better is required in all other areas, except where program requirements specify otherwise.
5. Duplicate semester credit hours will not be given for repeated courses.
6. Courses taken at Benedictine University may be repeated only at Benedictine University. Please see the catalog for the Course Repeat Policy.
7. Only courses taken at Benedictine University will be included in your GPA.
8. An Approval of Transfer Courses form must be completed for current Benedictine students to transfer courses from other schools. Please see your advisor.

Date: Signature: