Date:

Name:

BenU ID #: Semester of Entry:

Freshman Rules
2014-2015
Academic Year

Benedictine University®

Bachelor of Science in Biochemestry/Molecular Biology

Concentration (if applicable)_____

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 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	BIOL 342	☒	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. 76

COLLEGE	COURSE		CR	GR
		MATH 220 Calculus for Life Sciences I ①	5	
		MATH 224 Calculus for Life Sciences II	4	
		CHEM 113 General Chemistry I	3	
		CHEM 115 General Chemistry I Lab	1	
		CHEM 123 General Chemistry II	3	
		CHEM 125 General Chemistry II Lab	1	
		CHEM 231 Analytical Chemistry I	3	
		CHEM 242 Organic Chemistry I	3	
		CHEM 244 Organic Chemistry I Lab	1	
		CHEM 247 Organic Chemistry II	3	
		CHEM 249 Organic Chemistry II Lab	1	
		PHYS 211 University Physics I	4	
		PHYS 205 Experimental Physics I	1	
		PHYS 212 University Physics II	4	
		PHYS 206 Experimental Physics II	1	
		PHYS 323 Biophysics	4	
		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 260 Recomb DNA Lab	1	
		BIOL 340 Cell Biology	3	
		BIOL 342 Cell Biology Lab (WI)	2	
		BIOL 371 Molecular Biology	3	
		BIOL 372 Genom & Bioinform	2	
		BCHM 361 Biochemistry	3	
		BCHM 365 Interm Metabolism	3	
		BCHM 362 Protein Lab	1	
		Elective (CHEM 313) ②	3	
		Research or 300 Level Science Elective ③	3	

Major Specific Notes | Biochemistry/Molecular Biology

Only grades of "C" or better will be applied toward major and cognate courses.

① MATH 220 may be replaced by taking MATH 170, MATH 171 and MATH 200.

② Elective must be a 200 or 300 level course in BCHM, BIOL, CHEM, CMSC, MATH, or PHYS excluding research, teaching and internship classes. CHEM 313 (Thermodynamics) is strongly recommended for those BMB majors who plan to attend graduate school in a chemistry related area (Chemistry, Biochemistry, Chemical Biology, etc.).

③ 3 semester credit hours of research (or a BMB program approved summer experience) in BCHM, BIOL, CHEM, CMSC, MATH, and/or PHYS OR a 300-level science elective in one of these areas of study (excluding teaching and internship classes) is required. Students who plan to attend graduate school are strongly encouraged to carry out a research project.

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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: