

COLLEGE OF SCIENCE – BIOMEDICAL MAJOR

Name _____ Date _____

A minimum of **40 CREDITS** must be earned from within BSC; Independent study BSC 485 – 488 does **NOT** count toward this requirement. BSC 227, 228 & 250 do **NOT** count toward this major. *Course offerings are subject to change semesters. Consult each semester's schedule of courses for availability.*

A 2.0 GPA is required for graduation.

COMPLETED COLLEGE OF SCIENCE SPECIFIC REQUIREMENTS

_____ **3 hours, Literature** _____
 _____ **Minor (s)** _____

COMPLETED MAJOR SPECIFIC REQUIREMENTS

Required Courses	Sem	Hrs	Grade	Required Courses	Sem	Hrs	Grade
BSC 120 Principles I	F&S	4	_____	BSC 121 Principles II	F&S	4	_____

_____ *Required Core Courses – *One of these core courses is a prerequisite for the Required by Major Electives listed below. **Prereq for BSC 365 is BSC 121 with a C or better AND CHM 356.*

BSC 301 Vert. Embry	F&S	4	_____	*BSC 324 Genetics	All	4	_____
*BSC 302 Gen Bact	F&S	3	_____	**BSC 365 Biochem	F	3	_____
*BSC 322 Cell	All	4	_____	BSC 422 Animal Phys	F&S	4	_____

_____ *Required by Major Electives – Choose at least 8 hours*

BSC 300 Histology	S	4	_____	BSC 426 Med Entom	Sum	4	_____
BSC 304 Micro Lab	F&S	2	_____	BSC 438 Emerg Infec. Dis.	S	3	_____
BSC 310 CVA	S	4	_____	BSC 440 Medical Micro		3	_____
BSC 320 Ecology	All	4	_____	BSC 448 Intro. Immun	S	3	_____
BSC 413 Organic Evol	F	3	_____	***BSC 450 Molecular	F	3	_____
BSC 417 Biostatistics	F&S	3	_____	***Prereq for BSC 450 is BSC 322.			
BSC 418 Mycology	F	2	_____	BSC 456 Genes & Develop	S	3	_____
BSC 424 Animal Para	S	4	_____	BSC 483 Inter Biochemistry	S	3	_____
Special Topics Permission _____			_____	BSC 481 DNA Clon.	S	2	_____
BSC 491 Capstone	All	2	_____				

Total Biology Degree Hours must be at least 40 credit hours

COMPLETED – CHEMISTRY[§]

CHM 211 & 217, Chem I & Lab	3, 2	_____	_____
CHM 212 & 218, Chem II & Lab	3, 2	_____	_____
CHM 355 Organic I	3	_____	_____
CHM 356 Organic II	3	_____	_____
CHM 361 Organic Lab	3	_____	_____

[§]Completion of the listed Chemistry courses provides a minor.

COMPLETED – PHYSICS

(Pre-reqs. MTH 229, 132, OR 127/130/140 AND 122)

PHY 201 Gen Physics I	3	_____
PHY 202 Gen Physics Lab I	1	_____
PHY 203 Gen Physics II	3	_____
PHY 204 Gen Physics Lab II	1	_____

COMPLETED – MATHEMATICS (Depends on ACT/SAT math scores)

MTH 229 Calculus I^{* #} 5 _____ **OR** MTH 132 Pre-Calculus[#] 5 _____

OR TWO of the following:

MTH 127/130 Algebra [#]	5/3	_____	MTH 122 Trig [#]	3	_____
MTH 140 Applied Calculus ^{* #}	3	_____	MTH 225 Statistics	3	_____

**Calculus is a COS Specific Requirement.*

#MTH 229, 132, or 127/130/140 AND 122 are prerequisites for PHY 201.

MARSHALL UNIVERSITY CORE REQUIREMENTS

Must have a **GRADE** in **ALL** required courses (except for AP credit)

*****A 2.00 GPA is required for graduation*****

COMPLETED **CORE I, 9 CREDIT HOURS – Must be 100 – 299 level**

_____ **3 hrs, First Year Seminar** _____
 _____ **6 hrs, Critical Thinking** _____

COMPLETED **CORE II, 25 CREDIT HOURS – Must be 100 – 299 level**

_____ **6 hours, Composition** (Grade of **C** or higher required)
 ENG101 3 hrs. _____ **AND** ENG 102 3 hrs. _____ **OR** ENG 201H 6 hrs. _____
Must earn a C or better in ENG 102 or ENG 201H in order to graduate.

_____ **3 hours, Communications** CMM 103 _____ CMM 104H _____ **OR** CMM 207 _____

_____ **3 hours, Fine Arts** ART 112 _____ MUS 142 _____ **OR** THE 112 _____

_____ **3 hours, Humanities** _____
 CL 210*, 231, 232, 233, 234, 235, 236, 237, 250
 CMM 205, 239, 240
 ENG 200*, 202, 203, 206, 209, 210, 211, 212, 213, 215, 220, 225, 231, 235, 236, 240, 241, 242
 FRN 240
 GER 240
 JPN 240
 PHL 200, 200H, 201, 250
 RST 205, 206, 250
 SPN 240

_____ **3 hours, Math** (*MTH 140, MTH 229, OR IST 131 for Science majors*) _____

_____ **4 hours, Natural or Physical Sciences** _____
 BSC 104, 105, 120, 121, 228, 250
 CHM 211 plus 217, 212 plus 218
 GLY 110 plus 210L, 150 plus 150L, 200 plus 210L
 ISC 200, 201, 202, 205, 208, 209
 IST 111, 131, 224, 230
 PHY 101 plus 101L, 201 plus 202, 203 plus 204, 211 plus 202 or 212, 213 plus 204 or 214
 PS 109 plus 109L, 110 plus 110L

_____ **3 hours, Social Science** _____
 ANT 201*, ANT 201H CMM 213, 255 CJ 200, 211, 221, 231, 241 GEO 100*, 203, 206
 HST 101*, 102*, 103*, 103H, 125, 200, 205, 206, 208*, 219, 220, 221, 223, 230*, 230H*, 231*, 231H*, 250, 260, 265
 PSC 104, 105, 202, 207, 209, 211, 233 PSY 201, 201H, 223 SOC 200*, 200H*

**Core II courses that have also been approved as Core I (CT) courses*

_____ **3 hours, Multicultural** _____ **OR** **International studies** _____
 _____ **6 hours, Writing Intensive** _____
 _____ **Capstone 2 – 3 hrs** _____

TOTAL HOURS REQUIRED – AT LEAST 120 OF WHICH 40 MUST BE 300 – 499 LEVEL

Total Hours _____ **300-400 level hours** _____