

COLLEGE OF SCIENCE GENERAL REQUIREMENTS & MU PLAN

(For Biology, Chemistry, Math, Physics & Geology Majors)

NAME _____ DATE _____

6 HOURS –ENGLISH Grade of C or higher required in 102, 302 or 201H

ENG 101 3 hrs.____ ENG 102 3 hrs.____ OR ENG 302 3 hrs.____ OR ENG 201H 6 hrs. ____

3 HOURS – COMMUNICATIONS CMM 103 3 hrs. _____ OR CMM 104H 3 hrs. _____

3-12 HOURS - FOREIGN LANGUAGE

Ending with German 204, Greek 302, Latin 204, French 204 or 264R, MDL 204, SPN 204, JPN 204

6 HOURS - LITERATURE

Classics 230, 231, 232, 233, 234; English - any 300-400 level course in literature only. (any writing course in English will **not** fill this requirement); Religious Studies 304, 310, 320, 325, 351; French 317, 318, 401, 402, 403, 404; Latin any 300-400 level course; German 301, 302, 417, 418; Spanish 411, 412, 413, 414, 415, 416.

3 hrs. _____ 3 hrs. _____

3 HOURS - HUMANITIES Classics - any course except 230, 231, 232, 233; Philosophy - any course; Religious Studies - any course except 304, 310, 320, 325, 351.

3 hrs. _____

15 HOURS - SOCIAL SCIENCES

Must choose from three or more fields. Economics-any course, History-any course, Political Science-any course, Psychology-any course except 223 or 417, Geography 100, 203, Sociology-any course except 344, 345, 445, Anthropology-any course.

3 hrs. _____ 3 hrs. _____

3 hrs. _____ 3 hrs. _____ 3 hrs. _____

12 HOURS - NATURAL SCIENCES (Applies only to Math & Physics Majors)

From at least two fields- Chemistry, Physics, Geology, Biological Sciences

MARSHALL PLAN Most courses used here can also be overlapped with the general requirements of the College of Science

6 hrs. International studies _____

3 hrs. Multicultural studies _____ 3 hrs. Writing Intensive _____

Capstone _____

MINOR(S) _____ (REQUIRED for most majors) Consult your catalog for requirements

*****A 2.00 gpa is required for graduation*****

TOTAL HOURS REQUIRED: AT LEAST **128** - OF WHICH **48** MUST BE 300-400 LEVEL

TOTAL HOURS _____ 300-400 Level Hours _____

Name _____ Date _____

Required Courses

BSC 120 Principles I	4	_____ C min.required	Major _____
BSC 121 Principles II	4	_____ C min.required	*Choose one major from the five described below
BSC 491 Capstone	2	_____	**2.0 in your major is required for graduation

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, and 250 do not count toward any BSC major. See each major below for required and allowable elective courses.

Number of BSC credits earned to date _____

***Biology**

Required core

BSC 302 Princ Micro	_____
BSC 320 Ecology	_____
BSC 322 Cell Bio	_____
BSC 324 Genetics	_____

Required by major

One "required by major" course from three of the four other BSC majors.

BSC _____	_____
BSC _____	_____
BSC _____	_____

Allowable BSC Electives

Choose from BSC offerings to meet at least the minimum requirements explained above the listing of majors.

BSC _____	_____
BSC _____	_____
BSC _____	_____
BSC _____	_____
BSC _____	_____

Sp.Tp. permission _____

***Ecology and Evolutionary Biology**

Required core

BSC 320 Ecology	_____
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And choose 2 of the 3

BSC 302 Princ Micro	_____
BSC 322 Cell Bio	_____
BSC 324 Genetics	_____

Required by Major

BSC 413 Org. Evolu.	3	_____
BSC 482 BioSyst	3	_____
BSC 417 Biostats	3	_____

Allowable Electives

BSC 212 Invert	4	_____
BSC 365 Biochem	3	_____
BSC 405 EcoBot	3	_____
BSC 406 Herp.	4	_____
BSC 408 Ornith	4	_____
BSC 409 Mamm.	4	_____
BSC 410 Remote sen	4	_____
BSC 411 Dgtl Image	4	_____
BSC 416 Plant tax	4	_____
BSC 420 Plant Phys	4	_____
BSC 422 An. phys	4	_____
BSC 424 An. Parasit.	4	_____
BSC 430 Plant Eco	4	_____
BSC 431 Limnology	4	_____
BSC 445 Micro. Ecol	3	_____
BSC 446 M. Ecol Lab2	_____	
BSC 460 Con. Soil	3	_____
fourth core course	4	_____
Sp.Tp. permission	_____	

***Biomedical Sciences**

Required core

BSC 302 Princ Micro	_____
BSC 322 Cell Bio	_____
BSC 324 Genetics	_____

Required by major

BSC 301 Vert Embryo	_____
BSC 365 Biochem	_____
BSC 422 Animal Phys.	_____

Allowable BSC Electives

BSC 300 Histology 4	_____
BSC 304 Micro lab 2	_____
BSC 320 Ecology 4	_____
BSC 413 Org. Evo 3	_____
BSC 417 Biostats 3	_____
BSC 418 Med.Myc. 3	_____
BSC 426 Med Ent 4	_____
BSC 424 An.Para 4	_____
BSC 438 E.Infec.Dis. 3	_____
BSC 440 Med. Micro 3	_____
BSC 448 Intro Imm.3	_____
BSC 450 Molec. 3	_____
BSC 456 Gene&Dev3	_____
BSC 483 Int.Biochem 3	_____
Sp.Tp. permission	_____

***Cellular/Molecular Biology**

Required core- choose 3 of the 4

BSC 302 Princ Micro	_____
BSC 320 Ecology	_____
BSC 322 Cell Bio	_____
BSC 324 Genetics	_____

Required by major

BSC 365 Biochem	_____
BSC 450 Molecular	_____
BSC 452 Mol. Lab or BSC480 DNA Cloning	_____

Allowable BSC Electives

BSC 300 Histology 4	_____
BSC 366 Biochem lab 2	_____
BSC 417 Biostats. 3	_____
BSC 420 Plant Phys. 4	_____
BSC 448 Intro. Imm. 3	_____
BSC 454 Adv. Molec. 3	_____
BSC 456 Gene&Dev. 3	_____
BSC 444 Bioinform. 3	_____
BSC 483 Int.Biochem 3	_____
fourth core course	4
Sp.Tp. permission	_____

***Microbiology**

Required core

BSC 302 Princ Micro	_____
BSC 324 Genetics	_____

and either

BSC 320 Ecology OR	_____
BSC 322 Cell Bio	_____

Required by major

BSC 304 Micro Lab	_____
BSC 436 Microb.gen.	_____
BSC 365 Biochem	_____

Allowable Electives

BSC 417 Biostats	3	_____
BSC 418 Med. Myco.	4	_____
BSC 424 An.Parasit	4	_____
BSC 438 E.Infec.D.	3	_____
BSC 440 Med. Micro	3	_____
BSC 445 Microb.Ec.	3	_____
BSC 446 Micro.Lab	2	_____
BSC 448 Intro.Immu	3	_____
BSC 483 Int.Biochem	3	_____
Sp.Tp. permission	_____	
fourth core course	4	_____

Other Requirements

CHEMISTRY

(C min. required for minor)

CHM 211 Prin. I	3	_____
CHM 217 Prin. Lab	2	_____
CHM 212 Prin. II	3	_____
CHM 218 Prin. Lab	2	_____
CHM 355 Organic	3	_____
CHM 356 Organic II	3	_____
CHM 361 Organic Lab 3	_____	

PHYSICS

PHY 201 Gen.Phys. I	3	_____
PHY 202 G.P. Lab	1	_____
PHY 203 Gen Phys II	3	_____
PHY 204 G.P. Lab	1	_____

MATHEMATICS

MTH 229	_____
OR MTH 132	_____

OR

Two of the following:

MTH 127/130 Algebra	_____
MTH 122 Trig.	_____
MTH 140 App.Calc.	_____
MTH 225 Statistics	_____