B.S. in Astrophysics

Sample Program Outline/Advising Guide

Fall		Spring	
FIRST YEAR			
PHYS 120: Physics First Year Experience	1	PHYS 125: Analytical Physics II	3
PHYS 123: Analytical Physics I (NLEC)	3	PHYS 126: Analytical Physics II Laboratory	1
PHYS 124: Analytical Physics I Lab (NLAB)	1	MATH 222: Calculus II	4
MATH 221: Calculus I (REAS)	4	World Language 102 (LANG)	4
WRTG 105: Writing Seminar: (subtitle)	4	Global Society (CAI)	3
World Language 101 (LANG)	4		
Total	**17**	Total	**15**

Fall		Spring	
SECOND YEAR			
PHYS 223: Analytical Physics III	3	PHYS 224: Analytical Physics IV	3
PHYS 226: Optics & Modern Phys Lab	1	PHYS 228: Math Methods in Physics	2
PHYS 261: Programming in Physics	3	MATH 326: Differential Equations	3
MATH 223: Calculus III	4	ASTR 110: Stars and Galaxies	3
ASTR 105: The Solar System	3	Global Society (WCV)	4
ASTR 106: The Solar System Laboratory	1		
Total	**15**	Total	**15**

Fall		Spring	
THIRD YEAR			
PHYS 331 OR PHYS 335 OR PHYS 352	3	PHYS 341: Seminar in Physics	1
PHYS 362: Intermediate Laboratory	3	PHYS 484 OR ASTR 472	2
PHYS 300-level Elective	3	PHYS 382: Stellar Astrophysics	3
Global Society (CGC)	3	Global Society (SST)	3
Global Society (DPP)	3	Elective	5
Total	**15**	Total	**14**

Fall		Spring	
FOURTH YEAR			
PHYS 300-level Elective	3	PHYS 300-level Elective OR PHYS 344	3
Integrative and Applied Learning	3	PHYS 383: Extragalactic Astrophysics	3
Elective	9	Elective	8
Total	**15**	Total	**14**

Total Credits = **120**

Gen Ed Subtotal = **36**

Special Instructions:

Students may not receive degree credit for both PHYS 313 (Applied) and PHYS 332 (ECA)

Directed Study cannot count for the elective credits in physics.

Students may count only one of the following towards the major: PHYS 484 OR ASTR 472

General Education Requirements

1. Communicaiton and Scientific Literacy (CSL)

- INTD 105, Lang, Quant, and Nat Sci with Lab

2. Participation in Global Society (PGS)

- DPP, WCIV, CGC, CAI, and SST

Rules:

At least 4 unique courses for PGS

No more than one course used twice in PGS

Only one course from your major may be used for PGS

Courses used to satisfy CSL cannot double dip for PGS