

**B.S. APPLIED PHYSICS
ASTRONOMY & ASTROPHYSICS OPTION
(120 credits)
ACADEMIC CURRICULUM AND CHECK LIST**

Name: _____

NJIT ID number: _____

FIRST YEAR (FALL)			Cr	FIRST YEAR (SPRING)			Cr
HUM	101	3		PHYS	114	3	
PHYS	111	3		PHYS	121	3	
PHYS	111A	1		PHYS	121A	1	
MATH	111	4		MATH	112	4	
CS	113 or 115	3		CHEM	122 or 126	3	
CHEM	121 or 125	3		CHEM (LAB)	124	1	
Freshman	Seminar	0					
	Term Cr	17			Term Cr	15	
SECOND YEAR (FALL)			Cr	SECOND YEAR (SPRING)			Cr
HUM	102	3		MATH	222	4	
PHYS	234	3		MATH	328	3	
PHYS	231A	1		PHYS335 or R315 THERMODYNAMICS	335 / R315	3	
MATH	213	4		UPPER LEVEL COM/ENG/HIST/LIT/PHIL/STS/THTR GER	GER	3	
MATH (1-credit Stats GER, or 3-credit MATH 333 later)	225	1					
CULTURAL HISTORY GER	GER	3					
	Term Cr	15			Term Cr	13	
THIRD YEAR (FALL)			Cr	THIRD YEAR (SPRING)			Cr
Astronomy & Astrophysics Option				Astronomy & Astrophysics Option			
PHYS	320	3		PHYS	321	3	
MATH	ELECTIVE	3		PHYS	433	3	
PHYS	430	3		PHYS	418	3	
PHYS	432	3		MATH/PHYS/CS	ELECTIVE	3	
UPPER LEVEL COM/ENG/HIST/LIT/PHIL/STS/THTR GER	GER	3		CAPSTONE SEMINAR GER	GER	3	
	Term Cr	15			Term Cr	15	
FOURTH YEAR (FALL)			Cr	FOURTH YEAR (SPRING)			Cr
Astronomy & Astrophysics Option				Astronomy & Astrophysics Option			
PHYS	420	3		PHYS	322	3	
PHYS442 or R404 QUANTUM MECHANICS	442 / R404	3		PHYS	421	3	
MATH / PHYS / CS	ELECTIVE	3		PHYS	450	3	
TECHNICAL	ELECTIVE	3		TECHNICAL	ELECTIVE	3	
MANAGEMENT/SS GER	GER	3		TECHNICAL	ELECTIVE	3	
	Term Cr	15			Term Cr	15	

Total Credits 120