

Physics Major - Professional Track (BS) Checklist

Student Name _____ ID# _____ email _____

Date _____ Advisor Signature & Date _____

<u>Course</u>	<u>Title</u>	<u>Semester/Year</u>	<u>Cr</u>	<u>Grade</u>
Physics 181 (Fall)	Physics I (mechanics)	_____	4	_____
Physics 185 (Fall)	Freshman seminar (recommended)	_____		
Math 131	Calculus I	_____	4	_____
Physics 182 (Spring)	Physics II (E&M)	_____	4	_____
Physics 186 (Spring)	Freshman seminar (recommended)	_____		
Math 132 (F or S)	Calculus II	_____	4	_____
Physics 287 (Fall)	Physics III (thermo, fluids, waves...)	_____	3	_____
Physics 289 (Fall)	Physics III Lab	_____	1	_____
Physics 281 (Fall)	Computational Physics	_____	3	_____
Math 233 (F or S)	Multivariate Calculus	_____	3	_____
Physics 282 (Spring)	Techniques of Theoretical Physics	_____	3	_____
Physics 284 (Spring)	Modern Physics I	_____	3	_____
Physics 286 (Spring)	Lab for Modern Physics I	_____	2	_____
Math 331 (F or S)	Ordinary Differential Equations	_____	3	_____
Physics 381 (Fall)	Writing in Physics	_____	3	_____
Physics 421 (Fall)	Mechanics	_____	3	_____
Physics 424 (Fall)	Quantum Mechanics	_____	3	_____
Physics 422 (Spring)	Electricity and Magnetism	_____	3	_____
Physics 423 (Spring)	Statistical Physics and Thermodynamics	_____	3	_____
Physics 440 (F or S)	Intermediate Lab	_____	4	_____
Math 235 (F or S)	Linear algebra (recommended)	_____		

Advanced course requirement. One course from: P531 Electronics, 551 Biological Physics, 553 Optics, 556 Nuclei and Elementary Particles, 558 Solid State, 562 Advanced E&M, 564 Advanced Quantum Mechanics, 568 General Relativity, A337 Optical and IR Astronomy, A338 Radio Astronomy, A451 Astrophysics I, A452 Astrophysics II. *Students are encouraged to take more than one.*
