

Physics (BSA Concentration)

Gillian Lynn Ryan, BSA Physics Concentration Advisor (WEH 7303)

BSA Physics Concentration

(145 units minimum)

Physics Required Courses (16 courses, 127 units)

	Units
21-259 Calculus in Three Dimensions	10
33-104 Experimental Physics	9
33-142 Physics II for Engineering and Physics Students	12
or 33-152 Matter and Interactions II	
33-201 Physics Sophomore Colloquium I -Fall	2
33-202 Physics Sophomore Colloquium II -Spring	2
33-211 Physics III: Modern Essentials	10
33-228 Electronics I	10
33-231 Physical Analysis	10
33-232 Mathematical Methods of Physics	10
33-234 Quantum Physics	10
33-301 Physics Upperclass Colloquium I -Fall	1
33-302 Physics Upperclass Colloquium II -Spring	1
33-331 Physical Mechanics I	10
33-338 Intermediate Electricity and Magnetism I	10
33-340 Modern Physics Laboratory	10
33-341 Thermal & Statistical Physics	10

Qualifying Physics Electives (2 courses, 18 units)

Two 33-xxx qualifying physics elective courses (<http://coursecatalog.web.cmu.edu/schools-colleges/melloncollegeofscience/departmentofphysics/physics-bs/#electivestextcontainer>) pre-approved by the Physics Department. 33-114 Physics of Musical Sound is highly recommended for students with a Music concentration.