

Sample Four-Year Schedule for Computational Physics Major Bachelor of Science

Curriculum for students starting 2021-2022 Academic Year

Freshman			
Fall Semester		Spring Semester	
WU 101 – Washburn Experience	3	PS 281 – General Physics I	5
EN 101 – English Composition	3	MA 152 – Calculus & Analytic Geometry II	5
MA 151 – Calculus & Analytic Geometry I	5	MA 206 – Discrete Mathematics for Computing	3
CM 111 – Intro. to Structured Programming	4	CM 113 – Visual Programming	3
TOTAL	15		16
Sophomore			
Fall Semester		Spring Semester	
PS 282 – General Physics II	5	PS 335 – Theoretical Mechanics	3
MA 253 – Calculus & Analytic Geometry III	3	MA 331 – Differential Equations	3
MA 140 – Statistics	3	General Education Courses	9
General Education Courses	6		
TOTAL	17		15
Junior			
Fall Semester		Spring Semester	
PS 365 – Theoretical Physics	3	PS 320 – Electromagnetic Theory I	3
PS 366 – Intro. to Computational Physics	3	PS 334 – Thermodynamics	3
PS 322 – Circuits and Electronics (Lab)	3	PS 340 – Computer Interfacing and Instrumentation (Lab)	3
EN 300 – Advanced Composition	3	General Education Courses	6
MA 301 – Linear Algebra	3		
TOTAL	15		15
Senior			
Fall Semester		Spring Semester	
PS 330 – Optics	3	PS 352 – Modern Physics Lab (Lab)	1
PS 350 – Modern Physics I	3	Electives	6
PS 322 – Optics Lab (Lab)	1	General Education Courses	6
MA 343 – Applied Statistics	3		
PS 360 – Physics Research	2		
General Education Course	3		
TOTAL	15		13

Total for Degree

121