# Typical Schedule – Physics – General Physics Concentration

## 1<sup>st</sup> Year

Fall (even)		Spring (odd)	
Course	Credit	Course	Credit
CTZN 110 or ENGL 165	3	ENGL 165 or CTZN 110	3
PHYS 220 – University Physics I	4	PHYS 221 – University Physics II	4
MATH 164 – Pre-Calculus (QR Pillar)	4	MATH 261 – Calculus	4
Pillar Course	3	Pillar Course	3
Credit hours	14	Credit hours	14

#### 2<sup>nd</sup> Year

Fall (odd)		Spring (even)	
Course	Credit	Course	Credit
PHYS 222 – University Physics I Lab	2	PHYS 223 – University Physics II Lab	2
PHYS 321 – Modern Physics	3	MATH 361 – Calculus III	4
MATH 262 –Calculus II	4	CHEM 111 – Chemistry I (SR Pillar)	4
Pillar Course	3-4	Pillar Course	3
General Elective	3	General Elective	3
Credit hours	15-16	Credit hours	16

### 3<sup>rd</sup> Year

Fall (even)		Spring (odd)	
Course	Credit	Course	Credit
PHYS 332 – Electricity & Magnetism	3	PHYS 352 - Mechanics	3
PHYS 324 - Thermodynamics	3	MATH 362 – Differential Equations	3
PHYS 370 – Advanced Lab 1	3	PHYS 401 – Quantum Mechanics or Physics Elective	3
Perspectives Course	3	Perspectives Course	3
General Elective	3	General Elective	3
Credits	15	Credits	15

#### 4th Year

Fall (odd)		Spring (even)	
Course	Credit	Course	Credit
PHYS elective	3	PHYS 470 – Advanced Lab II	3
Perspective Course	3	PHYS elective or PHYS 401 – Quantum Mechanics	3
MATH 280 – Linear Algebra (suggested for math minor)	3	CTZN 410 - Symposium on the Common Good	3
CMSC 160 – Intro to Algorithmic Design I (suggested)	4	CMSC 162 – Intro to Algorithmic Design II (suggested)	4
PHYS 492 or 496	1	Perspectives Course	3
Credits	14	Credits	16

<u>Note</u>: Taking MATH 304 for the Quantitative Reasoning Perspective plus MATH 280 will fulfill math minor.