

Typical Schedule – Physics –Dual Degree Engineering Concentration

1st 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
Pillar Course	3	Pillar Course	3
Credit hours	17	Credit hours	17

2nd 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
Perspectives Course	3-4	Perspectives Course	3
Perspectives Course	3	Physics Elective	3
Credit hours	15-16	Credit hours	16

3rd Year

Fall (even)		Spring (odd)	
Course	Credit	Course	Credit
PHYS 332 – Electricity & Magnetism	3	PHYS 352 - Mechanics	3
PHYS elective	3	MATH 362 – Differential Equations	3
PHYS 370 – Advanced Lab 1	3	PHYS elective	3
PHYS 324 - Thermodynamics	3	Perspectives Course	3
MATH 280 – Linear Algebra	3	CTZN 410 - Symposium on the Common Good	3
Credits	15	Credits	15

4th Year – Transfer to ODU, UVA, or VTech to complete course credits (120 credits total with a minimum of 7 credits of engineering course work)

Note: Taking a summer course or intersession course will reduce the number of credits required in a given semester.

Note: VTech requires coursework the summer before transfer or a prior summer.

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