

BA in Physics in 3 years

revised 8/23/19

Fall

Spring

yr.2

Course	CR
PH135/L - Physics I + Lab	5
MT135 - Calc & Analytic Geometry I	4
#CORE	6
TOTAL	15

Course	CR
PH136/L - Physics II + Lab	5
MT136 - Calc & Analytic Geometry II	4
#CORE	6
TOTAL	15

yr.3

PH246 - Modern Physics	3
PH348 - Physis Seminar I	0
MT233 - Calc & Analytic Geometry III	4
#CORE	6+
TOTAL	13+

EP260/L - Electronics Circuits + Lab	4
EP217 - Math Methods for PH & EP	3
PH247 - Modern Physics Laboratory	1
#CORE	6
TOTAL	14

yr.4

*EP451/L OR **PH 365/L	4
PH347 - Advanced laboratory	2
PH349 - Physics Seminar II	0
^ major elective	3+
#CORE	6
TOTAL	15+

*PH315/L OR **PH 445/L	4
PH408 - Senior Research/Design Project	2
^ major elective	3+
#CORE	3+
TOTAL	12+

* offered odd years only

** offered even years only

^ 3XX or 4XX level, approved by the department

PH 315/L - Classical Mechanics

PH 365/L - Electricity & Magnetism

PH 445/L - Quantum Mechanics

EP 451/L - Numerical Physics

#Total CORE credits needed is typically 40-49, and will include those taken in yr 1

major requirement
major support course
JCU CORE