



## Physics Major Pathway Appalachian State University (9 Semester Hours)

### AS to BS in PHY at APP

#### SEMESTER 1 FALL

- ACA 122 (FA,SP,SU).....1
- ENG 111 (FA,SP,SU) .....3
- MAT 171 (FA,SP,SU).....4
- SOC SCIENCE GROUP .....3

#### SEMESTER 2 SPRING

- ENG 112 \* (FA,SP,SU) .....3
- MAT 172 \* (FA,SP,SU).....4
- SOC SCIENCE GROUP .....3

#### SUMMER SEMESTER

- MAT 271 \* (FA,SP,SU).....4

#### SEMESTER 3 FALL

- MAT 272 \* (FA,SP).....4
- PHY 251 \* (FA) .....4

#### HUM/FA GROUP

- ART 111 (FA,SP,SU)
- ART 114 \* (FA,SP)

- ART 115 \* (FA,SP)
- COM 231 \*(FA,SP,SU)
- ENG 231 \* (FA,SP)
- ENG 232 \* (SP)

#### SEMESTER 4 SPRING

- MAT 273 \* (FA,SP,SU).....4
- PHY 252 \* (SP) .....4
- ELECTIVE GROUP .....1

#### SEMESTER 5 FALL

- ELECTIVE GROUP .....3
- ELECTIVE GROUP .....3
- HUM/FA GROUP .....3

#### SEMESTER 6 SPRING

- ELECTIVE GROUP .....3
- ELECTIVE GROUP .....3
- HUM/FA GROUP .....3

**TOTAL.....60**

*\*Has a prerequisite*

#### SOC SCIENCE GROUP

- ECO 251 (FA,SP,SU)

- ECO 252 (FA,SP,SU)
- HIS 111 (FA,SP,SU)
- HIS 112 (FA,SP,SU)

- ENG 241 \* (FA)
- ENG 242 \*(SP,SU)
- MUS 110 (FA,SP,SU)
- MUS 112 (FA,SP,SU)

- PHI 215 \* (SP)
- PHI 240 \* (FA,SP,SU)

#### ELECTIVES GROUP

- ACC 120 (FA,SP,SU)
- ACC 121 (FA,SP,SU)
- ART 111 (FA,SP,SU)
- ART 114 \*(FA,SP)
- ART 115 \* (FA,SP)
- ART 121 (SP,SU)
- ART 122 (FA,SP)
- ART 131 (FA,SP)
- ART 132 \* (FA,SP)
- ART 231 (SP,SU)
- ART 232 \* (SP,SU)
- ART 240 (FA,SP)
- ART 241 \*(FA,SP)
- ART 261 (FA,SP)
- ART 262 \* (FA,SP)
- AST 111/A (FA,SP)
- BIO 111 (FA,SP,SU)
- BIO 112 \* (SP, SU)
- BIO 130 (SP)
- BIO 140 (FA)
- BIO 155 (SP)
- BIO 163 (FA,SP)
- BIO 168 \* (FA,SP,SU)
- BIO 169 \* (FA,SP,SU)
- BIO 275 \* (FA,SP,SU)
- BUS 110 (FA,SP,SU)
- BUS 115 (FA,SP,SU)
- BUS 137 (FA,SP,SU)

- CHM 131/A (FA,SP,SU)
- CHM 151 (FA,SP,SU)
- CHM 152 \*(FA,SP)
- CIS 110 (FA,SP,SU)
- CIS 115 (FA)
- CJC 111 (FA,SP,SU)
- CJC 121 (FA,SP,SU)
- CJC 141 (SP, SU)
- COM 110 (FA,SP,SU)
- COM 120 (FA,SP)
- COM 231 \*(FA,SP,SU)
- CSC 134 (SP)
- CSC 151 (FA,SP)
- CTS 115 (FA,SP)
- ECO 251 (FA,SP,SU)
- ECO 252 (FA,SP,SU)
- EDU 144 (FA,SP)
- EDU 145 (FA,SP)
- EDU 216 (FA,SP,SU)
- EDU 221 \* (FA,SP,SU)
- EGR 150 (FA)
- ENG 114 \* (FA,SP,SU)
- ENG 125 \* (SP)
- ENG 126 \* (SP)
- ENG 231 \* (FA,SP)
- ENG 232 \*(SP)
- ENG 241 \* (FA)
- ENG 242 \*(SP,SU)
- ENG 273 \*(SP)

- HIS 131 (FA,SP,SU)
- HIS 132 (FA,SP,SU)
- POL 120 (SP)
- HEA 110 (FA,SP,SU)
- HEA 112 (FA, SU)
- HEA 120 (FA,SP,SU)
- HIS 111 (FA,SP,SU)
- HIS 112 (FA,SP,SU)
- HIS 131 (FA,SP,SU)
- HIS 132 (FA,SP,SU)
- HUM 115 (FA,SP,SU)
- HUM 120 (FA)
- HUM 130 (SP)
- LAT 111 (FA)
- LAT 112 (SP)
- MAT 143 (FA,SP,SU)
- MAT 152 (FA,SP,SU)
- MAT 263 \* (FA,SP)
- MAT 280 \*(FA)
- MAT 285 \* (SP)
- MUS 110 (FA,SP,SU)
- MUS 111 (FA,SP)
- MUS 112 (FA,SP,SU)
- MUS 121 (FA)
- MUS 122 \* (SP)
- MUS 131 (FA,SP)
- MUS 132 \* (SP)
- MUS 221 \* (FA)
- MUS 222 \* (SP)
- MUS 231 \* (FA,SP)
- MUS 232 \* (FA,SP)
- PED 110 (FA)

- PSY 150 (FA, SP, SU)
- SOC 210 (FA,SP,SU)

- PED 111 (FA,SP,SU)
- PED 122 (FA,SP,SU)
- PED 142 (FA)
- PED 143 (SU)
- PED 171 (SP)
- PHI 215 \*(SP)
- PHI 240 \* (FA,SP,SU)
- PHY 110/A (FA,SP)
- PHY 151 \* (FA)
- PHY 152 \* (SP)
- POL 120 (SU)
- POL 130 (FA, SU)
- POL 210 (SP)
- POL 220 (FA, SU)
- PSY 150 (FA,SP,SU)
- PSY 241 \* (FA,SP,SU)
- PSY 281 \*(FA,SP,SU)
- REL 110 (FA,SP,SU)
- REL 211 (FA)
- REL 212 (SP)
- SOC 210 (FA,SP,SU)
- SOC 213 (FA,SP)
- SOC 220 (FA,SP,SU)
- SOC 225 (SU)
- SPA 111 (FA,SP,SU)
- SPA 112 \* (FA,SP,SU)
- SPA 211 \* (FA,SP,SU)
- SPA 212 \* (SU)



## Physics Major Pathway Appalachian State University (12 Semester Hours)

### AS to BS in PHY at APP

#### SEMESTER 1 FALL

- ACA 122 (FA,SP,SU).....1
- ENG 111 (FA,SP,SU).....3
- MAT 171 (FA,SP,SU).....4
- SOC SCIENCE GROUP .....3

#### SEMESTER 2 SPRING

- ENG 112 \* (FA,SP,SU).....3
- MAT 172 \* (FA,SP,SU).....4
- SOC SCIENCE GROUP .....3
- HUM/FA GROUP .....3

#### SUMMER SEMESTER

- MAT 271 \* (FA,SP,SU).....4

#### SEMESTER 3 FALL

- MAT 272 \* (FA,SP).....4
- PHY 251 \* (FA) .....4
- HUM/FA GROUP .....3
- ELECTIVE GROUP .....3

#### SEMESTER 4 SPRING

- MAT 273 \* (FA,SP,SU).....4
- PHY 252 \* (SP) .....4
- ELECTIVE GROUP .....3
- ELECTIVE GROUP .....1

#### SEMESTER 5 FALL

- ELECTIVE GROUP .....3
- ELECTIVE GROUP .....3

**TOTAL.....60**

*\*Has a prerequisite*

#### HUM/FA GROUP

ART 111 (FA,SP,SU)  
ART 114 \* (FA,SP)

ART 115 \* (FA,SP)  
COM 231 \*(FA,SP,SU)  
ENG 231 \* (FA,SP)  
ENG 232 \* (SP)

ENG 241 \* (FA)  
ENG 242 \*(SP,SU)  
MUS 110 (FA,SP,SU)  
MUS 112 (FA,SP,SU)

PHI 215 \* (SP)  
PHI 240 \* (FA,SP,SU)

#### SOC SCIENCE GROUP

ECO 251 (FA,SP,SU)

ECO 252 (FA,SP,SU)  
HIS 111 (FA,SP,SU)  
HIS 112 (FA,SP,SU)

HIS 131 (FA,SP,SU)  
HIS 132 (FA,SP,SU)  
POL 120 (SP)

PSY 150 (FA, SP, SU)  
SOC 210 (FA,SP,SU)

#### ELECTIVES GROUP

ACC 120 (FA,SP,SU)  
ACC 121 (FA,SP,SU)  
ART 111 (FA,SP,SU)  
ART 114 \*(FA,SP)  
ART 115 \* (FA,SP)  
ART 121 (SP,SU)  
ART 122 (FA,SP)  
ART 131 (FA,SP)  
ART 132 \* (FA,SP)  
ART 231 (SP,SU)  
ART 232 \* (SP,SU)  
ART 240 (FA,SP)  
ART 241 \*(FA,SP)  
ART 261 (FA,SP)  
ART 262 \* (FA,SP)  
AST 111/A (FA,SP)  
BIO 111 (FA,SP,SU)  
BIO 112 \* (SP, SU)  
BIO 130 (SP)  
BIO 140 (FA)  
BIO 155 (SP)  
BIO 163 (FA,SP)  
BIO 168 \* (FA,SP,SU)  
BIO 169 \* (FA,SP,SU)  
BIO 275 \* (FA,SP,SU)  
BUS 110 (FA,SP,SU)  
BUS 115 (FA,SP,SU)  
BUS 137 (FA,SP,SU)

CHM 131/A (FA,SP,SU)  
CHM 151 (FA,SP,SU)  
CHM 152 \*(FA,SP)  
CIS 110 (FA,SP,SU)  
CIS 115 (FA)  
CJC 111 (FA,SP,SU)  
CJC 121 (FA,SP,SU)  
CJC 141 (SP, SU)  
COM 110 (FA,SP,SU)  
COM 120 (FA,SP)  
COM 231 \*(FA,SP,SU)  
CSC 134 (SP)  
CSC 151 (FA,SP)  
CTS 115 (FA,SP)  
ECO 251 (FA,SP,SU)  
ECO 252 (FA,SP,SU)  
EDU 144 (FA,SP)  
EDU 145 (FA,SP)  
EDU 216 (FA,SP,SU)  
EDU 221 \* (FA,SP,SU)  
EGR 150 (FA)  
ENG 114 \* (FA,SP,SU)  
ENG 125 \* (SP)  
ENG 126 \* (SP)  
ENG 231 \* (FA,SP)  
ENG 232 \*(SP)  
ENG 241 \* (FA)  
ENG 242 \*(SP,SU)  
ENG 273 \*(SP)

HEA 110 (FA,SP,SU)  
HEA 112 (FA, SU)  
HEA 120 (FA,SP,SU)  
HIS 111 (FA,SP,SU)  
HIS 112 (FA,SP,SU)  
HIS 131 (FA,SP,SU)  
HIS 132 (FA,SP,SU)  
HUM 115 (FA,SP,SU)  
HUM 120 (FA)  
HUM 130 (SP)  
LAT 111 (FA)  
LAT 112 (SP)  
MAT 143 (FA,SP,SU)  
MAT 152 (FA,SP,SU)  
MAT 263 \* (FA,SP)  
MAT 280 \*(FA)  
MAT 285 \* (SP)  
MUS 110 (FA,SP,SU)  
MUS 111 (FA,SP)  
MUS 112 (FA,SP,SU)  
MUS 121 (FA)  
MUS 122 \* (SP)  
MUS 131 (FA,SP)  
MUS 132 \* (SP)  
MUS 221 \* (FA)  
MUS 222 \* (SP)  
MUS 231 \* (FA,SP)  
MUS 232 \* (FA,SP)  
PED 110 (FA)

PED 111 (FA,SP,SU)  
PED 122 (FA,SP,SU)  
PED 142 (FA)  
PED 143 (SU)  
PED 171 (SP)  
PHI 215 \*(SP)  
PHI 240 \* (FA,SP,SU)  
PHY 110/A (FA,SP)  
PHY 151 \* (FA)  
PHY 152 \* (SP)  
POL 120 (SU)  
POL 130 (FA, SU)  
POL 210 (SP)  
POL 220 (FA, SU)  
PSY 150 (FA,SP,SU)  
PSY 241 \* (FA,SP,SU)  
PSY 281 \*(FA,SP,SU)  
REL 110 (FA,SP,SU)  
REL 211 (FA)  
REL 212 (SP)  
SOC 210 (FA,SP,SU)  
SOC 213 (FA,SP)  
SOC 220 (FA,SP,SU)  
SOC 225 (SU)  
SPA 111 (FA,SP,SU)  
SPA 112 \* (FA,SP,SU)  
SPA 211 \* (FA,SP,SU)  
SPA 212 \* (SU)



**Physics Major Pathway**  
**Appalachian State University (15 Semester Hours)**

**AS to BS in PHY at APP**

**SEMESTER 1 FALL**

<input type="checkbox"/> ACA 122 .....	(FA,SP,SU)	1
<input type="checkbox"/> ENG 111 .....	(FA,SP,SU)	3
<input type="checkbox"/> MAT 171 .....	(FA,SP,SU)	4
<input type="checkbox"/> SOC SCIENCE GROUP .....		3
<input type="checkbox"/> HUM/FA GROUP .....		3

**SEMESTER 2 SPRING**

<input type="checkbox"/> ENG 112 * .....	(FA,SP,SU)	3
<input type="checkbox"/> MAT 172 * .....	(FA,SP,SU)	4
<input type="checkbox"/> SOC SCIENCE GROUP .....		3
<input type="checkbox"/> HUM/FA GROUP .....		3

**SUMMER SEMESTER**

<input type="checkbox"/> MAT 271 * .....	(FA,SP,SU)	4
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**SEMESTER 3 FALL**

<input type="checkbox"/> MAT 272 * .....	(FA,SP)	4
<input type="checkbox"/> PHY 251 * .....	(FA)	4
<input type="checkbox"/> ELECTIVE GROUP .....		3
<input type="checkbox"/> ELECTIVE GROUP .....		3

**SEMESTER 4 SPRING**

<input type="checkbox"/> MAT 273 * .....	(FA,SP,SU)	4
<input type="checkbox"/> PHY 252 * .....	(SP)	4
<input type="checkbox"/> ELECTIVE GROUP .....		3
<input type="checkbox"/> ELECTIVE GROUP .....		3
<input type="checkbox"/> ELECTIVE GROUP .....		1

**TOTAL**.....**60**

*\*Has a prerequisite*

**HUM/FA GROUP**

ART 111 (FA,SP,SU)  
ART 114 \* (FA,SP)

ART 115 \* (FA,SP)  
COM 231 \*(FA,SP,SU)  
ENG 231 \* (FA,SP)  
ENG 232 \* (SP)

ENG 241 \* (FA)  
ENG 242 \*(SP,SU)  
MUS 110 (FA,SP,SU)  
MUS 112 (FA,SP,SU)

PHI 215 \* (SP)  
PHI 240 \* (FA,SP,SU)

**SOC SCIENCE GROUP**

ECO 251 (FA,SP,SU)

ECO 252 (FA,SP,SU)  
HIS 111 (FA,SP,SU)  
HIS 112 (FA,SP,SU)

HIS 131 (FA,SP,SU)  
HIS 132 (FA,SP,SU)  
POL 120 (SP)

PSY 150 (FA, SP, SU)  
SOC 210 (FA,SP,SU)

**ELECTIVES GROUP**

ACC 120 (FA,SP,SU)  
ACC 121 (FA,SP,SU)  
ART 111 (FA,SP,SU)  
ART 114 \*(FA,SP)  
ART 115 \* (FA,SP)  
ART 121 (SP,SU)  
ART 122 (FA,SP)  
ART 131 (FA,SP)  
ART 132 \* (FA,SP)  
ART 231 (SP,SU)  
ART 232 \* (SP,SU)  
ART 240 (FA,SP)  
ART 241 \*(FA,SP)  
ART 261 (FA,SP)  
ART 262 \* (FA,SP)  
AST 111/A (FA,SP)  
BIO 111 (FA,SP,SU)  
BIO 112 \* (SP, SU)  
BIO 130 (SP)  
BIO 140 (FA)  
BIO 155 (SP)  
BIO 163 (FA,SP)  
BIO 168 \* (FA,SP,SU)  
BIO 169 \* (FA,SP,SU)  
BIO 275 \* (FA,SP,SU)  
BUS 110 (FA,SP,SU)  
BUS 115 (FA,SP,SU)  
BUS 137 (FA,SP,SU)

CHM 131/A (FA,SP,SU)  
CHM 151 (FA,SP,SU)  
CHM 152 \*(FA,SP)  
CIS 110 (FA,SP,SU)  
CIS 115 (FA)  
CJC 111 (FA,SP,SU)  
CJC 121 (FA,SP,SU)  
CJC 141 (SP, SU)  
COM 110 (FA,SP,SU)  
COM 120 (FA,SP)  
COM 231 \*(FA,SP,SU)  
CSC 134 (SP)  
CSC 151 (FA,SP)  
CTS 115 (FA,SP)  
ECO 251 (FA,SP,SU)  
ECO 252 (FA,SP,SU)  
EDU 144 (FA,SP)  
EDU 145 (FA,SP)  
EDU 216 (FA,SP,SU)  
EDU 221 \* (FA,SP,SU)  
EGR 150 (FA)  
ENG 114 \* (FA,SP,SU)  
ENG 125 \* (SP)  
ENG 126 \* (SP)  
ENG 231 \* (FA,SP)  
ENG 232 \*(SP)  
ENG 241 \* (FA)  
ENG 242 \*(SP,SU)  
ENG 273 \*(SP)

HEA 110 (FA,SP,SU)  
HEA 112 (FA, SU)  
HEA 120 (FA,SP,SU)  
HIS 111 (FA,SP,SU)  
HIS 112 (FA,SP,SU)  
HIS 131 (FA,SP,SU)  
HIS 132 (FA,SP,SU)  
HUM 115 (FA,SP,SU)  
HUM 120 (FA)  
HUM 130 (SP)  
LAT 111 (FA)  
LAT 112 (SP)  
MAT 143 (FA,SP,SU)  
MAT 152 (FA,SP,SU)  
MAT 263 \* (FA,SP)  
MAT 280 \*(FA)  
MAT 285 \* (SP)  
MUS 110 (FA,SP,SU)  
MUS 111 (FA,SP)  
MUS 112 (FA,SP,SU)  
MUS 121 (FA)  
MUS 122 \* (SP)  
MUS 131 (FA,SP)  
MUS 132 \* (SP)  
MUS 221 \* (FA)  
MUS 222 \* (SP)  
MUS 231 \* (FA,SP)  
MUS 232 \* (FA,SP)  
PED 110 (FA)

PED 111 (FA,SP,SU)  
PED 122 (FA,SP,SU)  
PED 142 (FA)  
PED 143 (SU)  
PED 171 (SP)  
PHI 215 \*(SP)  
PHI 240 \* (FA,SP,SU)  
PHY 110/A (FA,SP)  
PHY 151 \* (FA)  
PHY 152 \* (SP)  
POL 120 (SU)  
POL 130 (FA, SU)  
POL 210 (SP)  
POL 220 (FA, SU)  
PSY 150 (FA,SP,SU)  
PSY 241 \* (FA,SP,SU)  
PSY 281 \*(FA,SP,SU)  
REL 110 (FA,SP,SU)  
REL 211 (FA)  
REL 212 (SP)  
SOC 210 (FA,SP,SU)  
SOC 213 (FA,SP)  
SOC 220 (FA,SP,SU)  
SOC 225 (SU)  
SPA 111 (FA,SP,SU)  
SPA 112 \* (FA,SP,SU)  
SPA 211 \* (FA,SP,SU)  
SPA 212 \* (SU)