

# Major in Physics with Diploma in Engineering

## Science A: Physics (36 credits)

PHYS 121      PHYS 122  
ENGR 237      PHYS 242  
PHYS 201      PHYS 241  
PHYS 302      PHYS 325  
PHYS Elective    PHYS Elective  
PHYS Elective    PHYS Elective

## Science B: Mathematics (15 credits)

ENGR 121    ENGR 122  
ENGR 221    ENGR 222  
ENGR 123

## Science C: Chemistry (6 credits)

CHEM 120    CHEM 120

## Other courses

Open Electives:      12 credits

Arts Electives:      18 credits.

Engineering Electives: 9 credits.

Other required courses: ENGR 128, ENGR 132, ENGR 136, ENGR 147, ENGR 224, ENGR 242, ENGR 232, ENGR 211

Remarks:

- In their fourth year, students have to attend the physics seminar PHYS 491 (no credits).
- Overall average of 55% in graduation year.
- Average of 60% in all ENGR courses.
- Average of 60% in ENGR courses to advance to second year in the Diploma.
- 12 credits of arts electives must be from Arts X and 6 credits from Arts Y, where Arts X and Y are each from a single (but different) discipline of humanities or social sciences. 6 credits must be taken from one or a combination of ANTH, ENGL, HIST, MUSI, PSCI, RELS, SOCI or WMGS.

Approved: July 5, 2018 by Cormier and Marzlin

# Advanced Major in Physics with Diploma in Engineering

## Science A: Physics (42 credits)

PHYS 121      PHYS 122  
ENGR 237      PHYS 242  
PHYS 201      PHYS 241  
PHYS 302      PHYS 322  
PHYS 344      PHYS 325  
PHYS 343      PHYS 323  
PHYS Elective    PHYS Elective

## Science B: Mathematics (15 credits)

ENGR 121    ENGR 122  
ENGR 221    ENGR 222  
ENGR 123

## Science C: Chemistry (6 credits)

CHEM 120    CHEM 120

## Other courses

Approved Electives:    3 credits.

Open Electives:        3 credits

Arts Electives:        18 credits.

Engineering Electives: 9 credits.

Other required courses: ENGR 128, ENGR 132, ENGR 136, ENGR 147, ENGR 224, ENGR 242, ENGR 232, ENGR 211

Remarks:

- In their fourth year, students have to attend the physics seminar PHYS 491 (no credits).
- Overall average of 65% or better in each of the first two years.
- Grades of 65 or better in each course in Science A and B.
- Overall average of 70% or better in each of the final two years.
- Average of 70 or better in each of Science A and Science B in each of the final two years.
- Average of 60% in all ENGR courses.
- Average of 60% in ENGR courses to advance to second year in the Diploma.
- 12 credits of arts electives must be from Arts X and 6 credits from Arts Y, where Arts X and Y are each from a single (but different) discipline of humanities or social sciences. 6 credits must be taken from one or a combination of ANTH, ENGL, HIST, MUSI, PSCI, RELS, SOCI or WMGS.

Approved: July 5, 2018 by Cormier and Marzlin