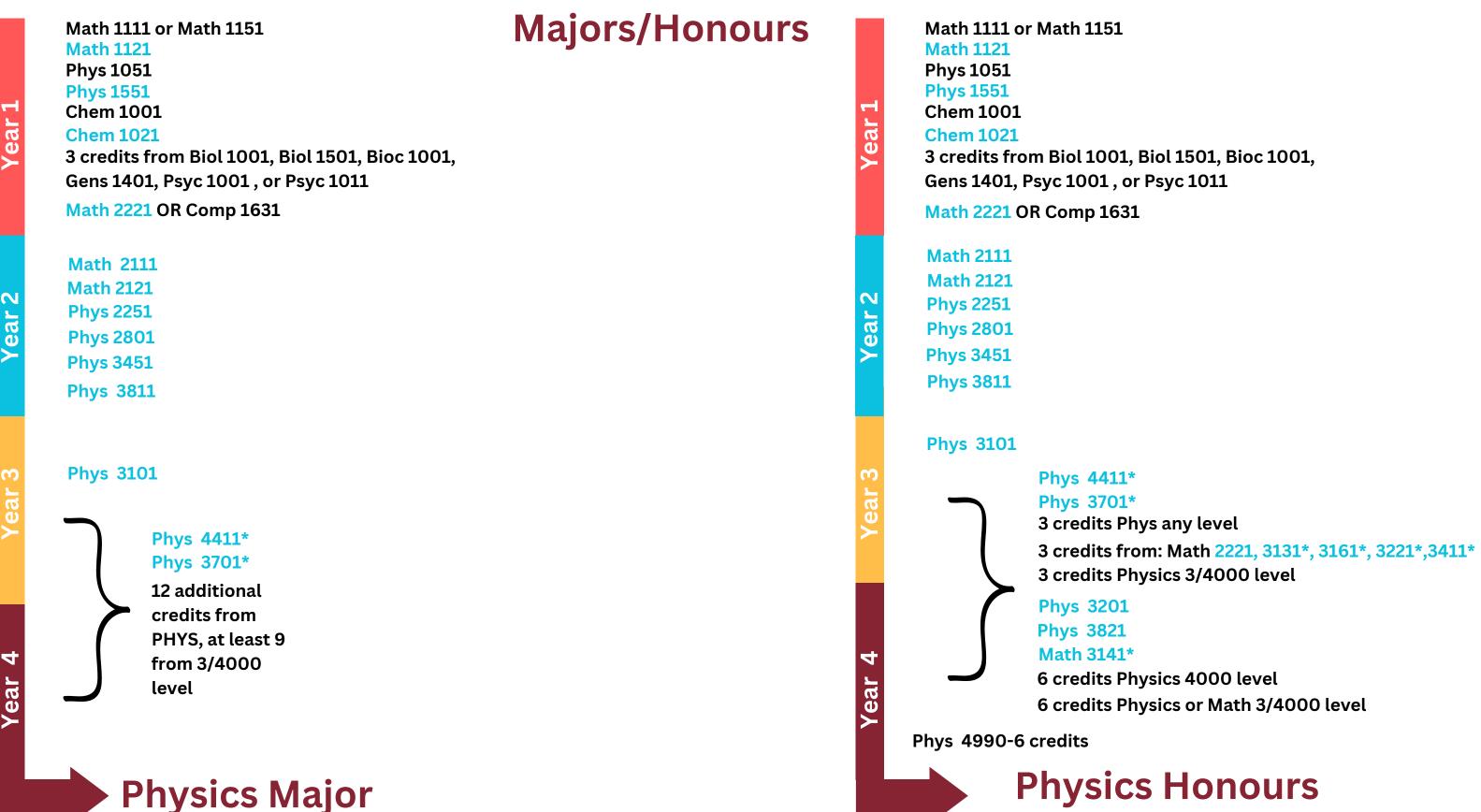
Disciplinary Bachelor of Science Programs Physics



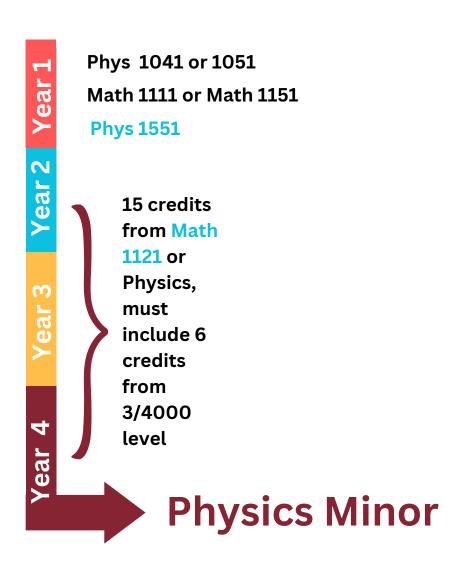
Students pursuing a Physics major or honours may be allowed to substitute Phys 1041 for Phys 1051 with permission of the dept.

*Course not offered yearly- check rotation at https://mta.ca/current-students/department-physics/physics-courses-and-programs and https://mta.ca/current-students/mathematics-and-computer-science/math-and-computer-science-courses-and

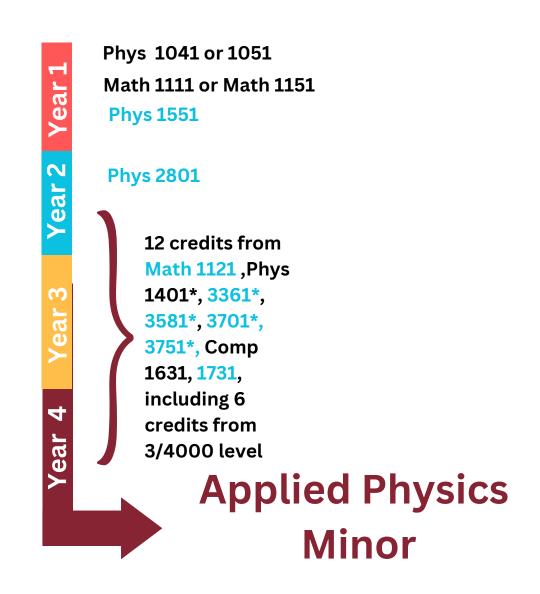
Courses with Prerequisites

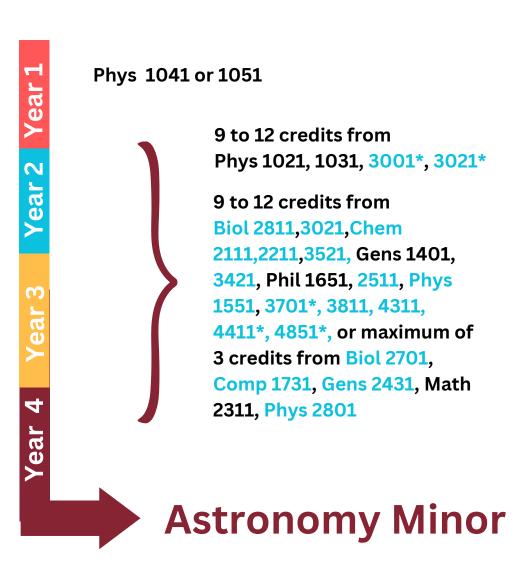
Chem 1021	Must take Chem 1001
Math 1121	• Must take either Math 1111 or Math 1151
Math 2111	Must take Math 1121
Math 2121	Must take Math 1121
Math 2221	 Must take either Math 1111 or Math 1151
Math 3131	 Must take MATH 2121, MATH 2111 and MATH 2221
Math 3141	 Must take MATH 2111, 3 credits from MATH 2221 or MATH/PHYS 3451
Math 3161	Must take MATH 2111
Math 3221	 Must take MATH 2221, MATH 2211 recommended;
Math 3411	• Must take MATH 1121, 3 credits from MATH 2221 or MATH/PHYS 3451 and 3 credits from COMP <i>or</i> PHYS
Phys 1551	 Must take 3 credits from MATH 1111 or 1151 AND 3 credits from PHYS 1041 or 1051
Phys 2251	 Must take PHYS 1551 and MATH 1121
Phys 2801	 Must take 3 credits from MATH 1111 or 1151 AND 3 credits from PHYS 1041 or 1051
Phys 3101	 Must take PHYS 1551, MATH/PHYS 3451, MATH 2111, and MATH 2121
Phys 3201	Must take PHYS 2251 and MATH 2111
Phys 3451	 Must take MATH 2111 and 3 credits from MATH 2121 or PHYS 2251
Phys 3701	Must take PHYS 2801and MATH 2111;
Phys 3811	Must take PHYS 2251
Phys 3821	Must take PHYS 3811 and MATH/PHYS 3451
Phys 4411	Must take PHYS 3811 and MATH/PHYS 3451

Disciplinary B.Sc programs Physics Minors



Only one Phys 1021, 1031 and 1401 can be used in Phys minor. Students who complete the Minor in Applied Physics may not complete this minor





*Course not offered yearly- check Physics rotation at https://mta.ca/current-students/department-physics/physics-courses-and-programs and Math/CS https://mta.ca/current-students/mathematics-and-computer-science/math-and-computer-science-courses-and For all other courses please check for possible rotations with the appropriate departments.

Courses with Prerequisites

Biol 2701	 Must take BIOL 1001 or 1501 and 3 credits from MATH 1111, 1151 or 1311
Biol 2811	Must take BIOL 1001 and BIOL 1501
Biol 3021	Must take BIOL 2301 and BIOL 2401
Chem 2111	Must take CHEM 1021
Chem 2211	 Must take CHEM 1021 and MATH 1121. PHYS 1051 recommended
Chem 3521	 Must take CHEM 2111 and CHEM 2411
Comp 1731	Must take Comp 1631
Gens 2431	 Must take GENV 1201 or GENS 1401
Gens 3421	 Must take GENS 2421 and 3 credits from GENS 2431 or BIOL 2701
Math 1121	 Must take either Math 1111 or Math 1151
Phil 2511	 Must take 3 credits from Humanities 1600 Series
Phys 1551	 Must take 3 credits from MATH 1111 or 1151 AND 3 credits from PHYS 1041 or 1051
Phys 2801	 Must take 3 credits from MATH 1111 or 1151 AND 3 credits from PHYS 1041 or 1051
Phys 3001	 Must take PHYS 1551 and PHYS 1031
Phys 3021	 Second-year standing and must take PHYS 1021 or 1031
Phys 3361	Must take COMP 1631 and PHYS 1551
Phys 3581	Must take PHYS 1551
Phys 3701	 Must take PHYS 3811 and MATH/PHYS 3451
Phys 3751	Must take PHYS 1551 and CHEM 1021
Phys 3811	Must take PHYS 2251
Phys 4311	 Must take PHYS 2251 and PHYS 2801 and 3 credits from MATH 2221 or PHYS 3451
Phys 4411	Must take PHYS 3811 and MATH/PHYS 3451

Phys 4851

Must take PHYS 3821

All courses needing prerequisites may also be taken with permission of the appropriate Department.