

Core Biochemistry & Molecular Biology Course Pre-requisites

Shading is in relation to 3000-level core classes, with unshaded courses covering multiple core B&MB subject areas

Course	Required pre-requisite(s) (with minimum grade)
BIOC 2300	BIOL 1010 (C), CHEM 1011 (C), CHEM 1012 (C)
BIOC 2610	BIOL 1010 (B-), BIOL 1011 (B-), CHEM 1011 (B-), CHEM 1012 (B-). Recommended: CHEM 2201 Co-requisites: BIOC 2300, CHEM 2401, CHEM 2402
BIOC 3300	BIOC 2300 (B-), BIOC 2610 (B-), BIOL 2020, BIOL 2030, CHEM 2401, CHEM 2402. <i>From Winter 2026 onwards, BIOC 2610 will not be required.</i>
BIOC 3400	BIOC 2300, BIOC 2610, BIOL 2020 (B-), BIOL 2030 (B-), CHEM 2401, CHEM 2402
BIOC 3620	BIOC 2300 (B-), BIOC 2610 (B-), BIOL 2020 (B-), BIOL 2030 (B-), CHEM 2401, CHEM 2402
BIOC 3700	BIOC 2300 (B-), BIOC 2610 (B-), CHEM 2401 (B-), CHEM 2402 (B-); MATH 1000 or MATH 1215; recommended: CHEM 2201
BIOC 4001	BIOC 3300, BIOC 3400, BIOC 3700 (average grade of B or higher)
BIOC 4010	BIOC 3400
BIOC 4302	BIOC 3300
BIOC 4305	BIOC 3300
BIOC 4403	BIOC 3400 or BIOL 3046
BIOC 4404	BIOC 3400
BIOC 4501	BIOC 3400
BIOC 4604	BIOC 3300, BIOC 3400, BIOC 3700 (average grade of B or higher)
BIOC 4605	BIOC 4604
BIOC 4701	BIOC 3700 or (CHEM 3601 and CHEM 2301 and CHEM 2304)
BIOC 4702	BIOC 3700 or (CHEM 3601 and CHEM 2301 and CHEM 2304)
BIOC 4703	BIOC 3700 or CHEM 3601
BIOC 4813	BIOC 3300

Note for Honours programs:

According to Dalhousie College of Arts & Science regulations, **only courses with a grade of C or better** may be used to **meet Honours degree** requirements

Core Course Pre-requisite Relationships to Upper-Level BIOC Courses

Course (Term(s) ^a)	Pre-requisite for (with minimum grade of)
BIOL 1010 (F) or BIOL 1020 (S)	BIOC 2300 (C), BIOC 2610 (B-)
BIOL 1011 (W) or BIOL 1021 (S)	BIOC 2610 (B-)
CHEM 1011 (F/S)	BIOC 2300 (C), BIOC 2610 (B-)
CHEM 1012 (W/S)	BIOC 2300 (C), BIOC 2610 (B-)
MATH 1010 (F/W/S) or MATH 1215 (F/W/S)	BIOC 3700
BIOC 2300 (F/W)	BIOC 3300 (B-), BIOC 3400, BIOC 3620 (B-), BIOC 3700 (B-). <i>Co-requisite for BIOC 2610</i>
BIOC 2610 (W)	BIOC 3400, BIOC 3620 (B-), BIOC 3700 (B-), BIOC 3300 (B-) – <i>will not be required starting Winter 2026.</i>
BIOL 2020 (F/W/S)	BIOC 3300, BIOC 3400 (B-), BIOC 3620 (B-)
BIOL 2030 (F/W/S)	BIOC 3300, BIOC 3400 (B-), BIOC 3620 (B-)
CHEM 2201 (F)	Recommended (<i>not required</i>) for: BIOC 2610, BIOL 3700
CHEM 2401 (F)	BIOC 3300, BIOC 3400, BIOC 3620, BIOC 3700 (B-) <i>Co-requisite for BIOC 2610</i>
CHEM 2402 (W)	BIOC 3300, BIOC 3400, BIOC 3620, BIOC 3700 (B-) <i>Co-requisite for BIOC 2610</i>
BIOC 3300 (W)	BIOC 4001 ^b , BIOC 4302, BIOC 4305, BIOC 4604 ^b , BIOC 4813
BIOC 3400 (F)	BIOC 4001 ^b , BIOC 4010, BIOC 4403, BIOC 4404, BIOC 4501, BIOC 4604 ^b
BIOC 3700 (F)	BIOC 4001 ^b , BIOC 4604 ^b , BIOC 4701, BIOC 4702, BIOC 4703
BIOC 4604 (F/W)	BIOC 4605

^a Term: F = Fall; W = Winter; S = Summer

^b Both BIOC 4001 and BIOC 4604 require an average grade of B or better over our three core 3000-level classes (BIOC 3300, BIOC 3400, and BIOC 3700)

Note for Honours programs:

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