

FYP SCIENCE 2023/2024

First Year Bachelor of Science (BSc) Course Planning Worksheet

RECOMMENDED FIRST-YEAR COURSES, BY *INTENDED MAJOR**

ACTUARIAL SCIENCE (ACSC) <ul style="list-style-type: none">• KING 1101 & KING 1102• MATH 1000 & MATH 1010 <u>or</u> MATH 1215 & MATH 1010• MATH 1030• <i>ECON 1101 & ECON 1102</i>	BIOCHEMISTRY & MOLECULAR BIOLOGY (BIOC) <ul style="list-style-type: none">• KING 1101 & KING 1102• BIOL 1010 & BIOL 1011 <u>or</u> BIOL 1020 & BIOL 1021• CHEM 1011 & CHEM 1012• <i>MATH 1000 <u>or</u> MATH 1215</i>• <i>MATH 1010 <u>or</u> MATH 1030 <u>or</u> STAT 1060</i>	BIOLOGY (BIOL) <ul style="list-style-type: none">• KING 1101 & KING 1102• BIOL 1010 & BIOL 1011 <u>or</u> BIOL 1020 & BIOL 1021• STAT 1060 & three more credit hours in Math <u>or</u> Stats• <i>CHEM 1011 & CHEM 1012</i>
CHEMISTRY (CHEM) <ul style="list-style-type: none">• KING 1101 & KING 1102• CHEM 1011 & CHEM 1012 <u>or</u> CHEM 1021 & CHEM 1022• MATH 1000 & MATH 1010• <i>PHYC 1190 & PHYC 1290 <u>or</u> PHYC 1310 & PHYC 1320</i>	EARTH SCIENCE/ GEOLOGY (ERTH) <ul style="list-style-type: none">• KING 1101 & KING 1102• ERTH 1080 & ERTH 1090 (<u>or</u> 1091)• CHEM 1011 & CHEM 1012• <i>MATH 1000 <u>or</u> MATH 1215</i>	ECONOMICS (ECON) <ul style="list-style-type: none">• KING 1101 & KING 1102• ECON 1101 & ECON 1102• MATH 1000 & MATH 1010• <i>MATH 1030</i>• <i>STAT 1060 <u>or</u> STAT 2060</i>
ENVIRONMENTAL SCIENCE (ENVS) <ul style="list-style-type: none">• KING 1101 & KING 1102• ENVS 1100 & ENVS 1200• MATH 1000 <u>or</u> MATH 1215• STAT 1060• <i>CHEM 1011 & CHEM 1012</i>• <i>BIOL 1010 & BIOL 1020</i>• <i>ERTH 1080</i>	MARINE BIOLOGY (MARI) <ul style="list-style-type: none">• KING 1101 & KING 1102• BIOL 1010 & BIOL 1011 <u>or</u> BIOL 1020 & 1021• MATH 1000 <u>or</u> MATH 1215 <u>or</u> MATH 1030• STAT 1060• <i>CHEM 1011 & CHEM 1012</i>	MATHEMATICS (MATH) <ul style="list-style-type: none">• KING 1101 & KING 1102• MATH 1000 & MATH 1010• MATH 1030• MATH 2110 <u>or</u> MATH 2051
MICROBIOLOGY/IMMUNOLOGY (MICI) <ul style="list-style-type: none">• KING 1101 & KING 1102• BIOL 1010 & BIOL 1011 <u>or</u> BIOL 1020 & BIOL 1021• CHEM 1011 & CHEM 1012• <i>MATH 1000 <u>or</u> MATH 1215</i>• <i>MATH 1010 <u>or</u> STAT 1060</i>	NEUROSCIENCE (NESC) <ul style="list-style-type: none">• KING 1101 & KING 1102• BIOL 1010 & BIOL 1011• PSYO 1011 & PSYO 1012• <i>CHEM 1011 & CHEM 1012</i>• <i>MATH 1215 <u>or</u> MATH 1000 & 3 more credit hours in Math or Stats</i>	OCEAN SCIENCES (OCEA) <ul style="list-style-type: none">• KING 1101 & KING 1102• MATH 1000 & MATH 1010• PHYC 1190 & PHYC 1290 <u>or</u> PHYC 1310 & PHYC 1320• <i>STAT 1060 <u>or</u> STAT 2060</i>• <i>Pick 2 of:</i> <i>BIOL 1010 & BIOL 1011</i> <i>CHEM 1011 & CHEM 1012</i> <i>ERTH 1080 & ERTH 1090</i>
PHYSICS AND ATMOS. SCIENCES (PHYC) <ul style="list-style-type: none">• KING 1101 & KING 110• MATH 1000 & MATH 1010• PHYC 1190 & PHYC 1290 <u>or</u> PHYC 1310 & PHYC 1320• <i>CHEM 1011 & CHEM 1012</i>• <i>MATH 1030</i>	PSYCHOLOGY (PSYO) <ul style="list-style-type: none">• KING 1101 & KING 1102• PSYO 1011 & PSYO 1012• 6 credit hours in MATH or STAT	STATISTICS (STAT) <ul style="list-style-type: none">• KING 1101 & KING 1102• MATH 1000 & MATH 1010 <u>or</u> MATH 1215 & MATH 1010• MATH 1030• STAT 1060

***See notes on reverse**

Notes:

- This guide can be used to assist you with your first-year course selection. Use this guide and the academic timetable to build your schedule. This Course Planning Worksheet is meant as a reflective tool to help you plan out your courses. It does not include all possible options. For complete program requirements, see the Dalhousie Academic Calendar at www.dal.ca/calendar or ask your advisor.
- Listed are all the 1000-level required courses for each degree. All must be completed in order to move into upper year courses, but some you may take concurrently with 2000-level courses in second year. Careful attention to pre-requisites for upper level courses is important. Pre-requisites are listed in the course descriptions of upper year courses.
- **Bolded** courses are those recommended to take alongside FYP, in the Fall & Winter semesters.
- Courses in *italics* are also important and can be later pursued through an accelerated summer course or during your second year of study.
- The lists are organized by course rather than semester. In course pairings, the two four-digit numbers refer to the course code for the Fall and then the Winter semester.
- KING 1101 & 1102 (FYP) will be taken in the Fall and Winter semesters of your first year of study.
- For most subjects, it is recommended that FYP Science students take a math course and a science course as their electives alongside of FYP within both the Fall and Winter semesters. Additionally, for most major subjects, many of the 1000-level science course requirements are structured such that you need to take both parts of the introductory courses in the required subject(s) in your first year. Typically, this means you will complete part I and part II together in the same academic year. Check the Academic Calendar for your intended major to confirm your course requirements. Part I and part II are coupled by '&' in the worksheet above.
- The last course(s) listed are what are required/recommended to be taken in the summer term after your first year to enable you to enter most, if not all, of the second-year courses within your department during your second year of study. Please consult with the departmental advisor for your subject to inquire whether summer courses are needed for progression into second year with your first-year course plan.
- MATH 1060 and STAT 1060 are equivalent courses.
- Questions? We're here to support you. Contact an advisor at registrar@ukings.ca.