Students in the MBS program are required to complete a total of 66 units over the course of two years of study, as well as a 400-hour, paid, industry internship in the summer following their first year. Students must present an internship poster reviewed by KGI faculty. Of the 66 total units, students must complete 25.5 units of core courses, 12.0 units in the Team Master's Program, and 28.5 units of electives.

**A summary of the MBS curriculum is as follows:**

|  |  |
| --- | --- |
| Core Courses | 25.5 units |
| Electives (including the following intersecting requirements) | 28.5 units |
| 400-level Business (6.0 units) |  |
| 400-level Technical (6.0 units) |  |
| Data Analytics (3.0 units) |  |
| Optional Concentration (18.0 units) |  |
| Team Master’s Project | 12.0 units |
| **Total** | **66.0 units** |

**Core Courses:** All students must complete the core courses in order to complete the MBS degree.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1st Year Fall Core Courses** | **Units** |  | **1st Year Spring Core Courses** | **Units** |
| ALS 300 Molecular Biotechnology | 1.5 |  | ALS 321 Medical Devices | 3.0 |
| ALS 312 Introduction to Bioprocessing | 1.5 |  | ALS 341 Healthcare and Life Sciences Industry Ethics | 1.5 |
| ALS 320 Medical Diagnostics | 3.0 |  | ALS 351 Corporate Finance | 3.0 |
| ALS 330 Pharmaceutical Discovery | 1.5 |  | ALS 354 Bioscience Strategy | 3.0 |
| ALS 333 Pharmaceutical Development | 1.5 |  | ALS 362 [if not taken in Fall] | (1.5) |
| ALS 350 Finance and Accounting Principles | 1.5 |  |  |  |
| ALS 359 Intro. to Bioscience Industries | 3.0 |  | **1st Year Spring Elective Courses** | **Units** |
| ALS 362 Intro. to US Food and Drug Law | 1.5 |  | Data Analytics | 3.0 |
| ALS 360 and/or ALS 342 contingent on placement  | (1.5) |  | Recommended 3 units of additional electives | (3.0) |
| exams and deferring ALS 362 until spring semester |  |  |  |  |
| ALS 397 Professional Development | 0.0 |  |  |  |
| **Subtotal** | **15.0-16.5** |  | **Subtotal** | **13.5-18.0** |

**Elective Courses:** All MBS students are required to complete 6.0 units of 400-level courses designated technical, 6.0 units of 400-level courses designated business, and 3.0 units of courses designated as data analytics. The elective requirements and concentrations can intersect. For example, a single course may simultaneously fulfill 400-level technical units, data analytics units, and units to complete a concentration. Not all electives are offered every year. Refer to the School of Applied Life Science course list for course designation information.

**Concentrations:** Five concentrations are available to Master of Business and Science students. They are Bioprocessing (BP), Biotech Management (BTM), Clinical and Regulatory Affairs (CRA), Medical Devices and Diagnostics (MDD), and Pharmaceutical Discovery and Development (PDD). To complete a concentration, a total of 18.0 units comprising of all the required courses in the concentration and a selection from the electives is required in partial fulfilment of the 28.5 total elective units necessary for graduation. Students are encouraged to consult with faculty advisors and program directors for course selection. Refer to the School of Applied Life Science course list for course designation information.

**Independent Study/Independent Research (IS/IR) Courses:** First year students can choose independent study or research as an elective for the spring if their fall GPA is above 3.25. No more than 3.0 units of IS/IR will count toward graduation for all MBS students. Students may enroll in 1.5-3.0 units per semester. To enroll in IS/IR, the student must complete the Independent Study/Research Contract and return it to the Registrar's Office before the last day to ADD courses. To count IS/IR toward a concentration, please consult the program director in advance. Independent study is the acquisition of skills, knowledge, or information that is known among professionals. For example, learning lab skills or preparing for a certification exam. Independent research is comprised of work aimed at generating novel techniques, knowledge, or synthesis of information.

**Research Emphasis:** Enrollment in the Research Emphasis allows students to count up to 9.0 Independent Research units toward their MBS degree. Requirements - 3.25 GPA, application completion, faculty and administrative approval. Completed and signed applications should be submitted to the Registrar's Office.

**CGU/Drucker Courses:** Students may substitute up to four units at CGU/Drucker to count as up to three KGI units. Please note that only 3.0 such CGU/Drucker units can be applied to meet graduation requirements[[1]](#footnote-1). Some CGU courses and all Drucker courses are designated as business courses.

**Academic Petitions:** Examples of requests include, but are not limited to, the following:

* Course overload: permission to take more than 19.5 units
* Exceptions to registration deadlines (late ADDs, late DROPs)
* Variances in cross registration and general education requirements
* MBS students requesting part-time status
* Exceptions to graduation requirements or other KGI academic policies

Please see the [Academic Petitions page](http://www.kgi.edu/academics/academic-affairs/registrar/forms-and-documents/academic-petitions/) for more information. To fill out an academic petition [click here](http://www.kgi.edu/academics/academic-affairs/registrar/forms-and-documents/independent-study-research-contract/).

1. Students enrolled in the 2+1 program may take up to 12 units of Drucker coursework and earn up to 9 KGI units to count toward graduation requirements. [↑](#footnote-ref-1)