

# INTERDISCIPLINARY SCIENCE AND BUSINESS, B.S.

**Begin Campus:** Any Penn State Campus

**End Campus:** Erie

## Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2023-24 academic year. To access previous years' suggested academic plans, please visit the archive (<https://bulletins.psu.edu/undergraduate/archive/>) to view the appropriate Undergraduate Bulletin edition (*Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

## Interdisciplinary Science and Business, B.S. at Erie Campus

The course series listed below provides **only one** of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an **Academic Requirements** or **What If** report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

### First Year

Fall	Credits Spring	Credits
MATH 140 or 110 (GQ) <sup>*†#†</sup>	4 STAT 200, 250, or SCM 200 (GQ) <sup>*†#†</sup>	3-4
BIOL 110 (GN) <sup>*#†</sup>	4 PHYS 250 or CHEM 112 <b>and</b> CHEM 113 (GN) <sup>*#†</sup>	4
CHEM 110 & CHEM 111 (GN) <sup>*#†</sup>	4 ECON 102 (GS) <sup>*#†</sup>	3
ENGL 15 or 30H (GWS) <sup>†#†</sup>	3 MIS 204 <sup>*</sup>	3
PSU 7 <sup>*</sup>	1 CAS 100 (GWS) <sup>*††</sup>	3
	<b>16</b>	<b>16-17</b>

### Second Year

Fall	Credits Spring	Credits
MKTG 301 <sup>*</sup>	3 FIN 301 <sup>*</sup>	3
ACCTG 211 <sup>*#</sup>	4 ENGL 202C (GWS) <sup>*††</sup>	3
BA 242 <sup>*</sup>	2 SCM 301 <sup>*</sup>	3
BA 241 <sup>*</sup>	2 Science Module <sup>*1</sup>	3
ISB 207 <sup>*</sup>	1 Science Module <sup>*1</sup>	3-4
General Education Course (GA/GH/GHW)	3	
	<b>15</b>	<b>15-16</b>

### Third Year

Fall	Credits Spring	Credits
ECON 104 (GS) <sup>*†</sup>	3 Business Module <sup>*1</sup>	3
MGMT 301 <sup>*</sup>	3 Business Module <sup>*1</sup>	3
Science Module <sup>*1</sup>	3 Science Module <sup>*1</sup>	3-4
Science Module <sup>*1</sup>	3 Science Module <sup>*1</sup>	3
Business Module <sup>*1</sup>	3 General Education Course (GA/GH/GHW)	3

General Education Course (GA/GH/GHW)	3	
	<b>18</b>	<b>15-16</b>
<b>Fourth Year</b>		
<b>Fall</b>	<b>Credits Spring</b>	<b>Credits</b>
MGMT 410 <sup>*</sup>	3 ISB 475W <sup>*</sup>	3
Science Module <sup>*1</sup>	3 Science Module <sup>*1</sup>	3
Business Module <sup>*1</sup>	3-4 Science Module <sup>*1</sup>	3
Business Module <sup>*1</sup>	3 General Education Course (GA/GH/GHW)	3
Science Module <sup>*1</sup>	3 General Education Course (GA/GH/GHW)	3
	<b>15-16</b>	<b>15</b>

### Total Credits 125-129

\* Course requires a grade of C or better for the major

‡ Course requires a grade of C or better for General Education

# Course is an Entrance to Major requirement

† Course satisfies General Education and degree requirement

<sup>1</sup> For the current list of Science and Business module courses, please contact Dr. Michael Rutter ([mar36@psu.edu](mailto:mar36@psu.edu)) or Dr. Diane Parente ([dhp3@psu.edu](mailto:dhp3@psu.edu))

### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy Cultural Diversity Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

### Program Notes:

#### • School Approved Lists for Science Modules

- **Human Health Module (required 23 credits):** BIOL 230W, BIOL 220W, KINES 203, MICRB 201, MICRB 202, BIOL 421, BIOL 472. Select an additional nine credits from the following: BIOL 416, BIOL 322, MICRB 410, BIOL 430, BMB 400, CHEM 472.
- **Laboratory Science Module (required 18-19 credits):** CHEM 210, CHEM 212, CHEM 227, CHEM 440, CHEM 441, MICRB 106 and MICRB 107 or MICRB 201 and MICRB 202. Select an additional eleven credits from the following: BIOL 220W, BIOL 230W, BIOL 240W, BIOL 322, BIOL 416, BIOL 460, BMB 401 or CHEM 472, BMB 406, BMB 442, BMB 465, BMB 484, CHEM 408, CHEM 413, CHEM 430, CHEM 432, CHEM 446, CHEM 450 or BMB 428, CHEM 452, CHEM 457, MICRB 410, CHEM 494 or BIOL 494 or MICRB 494.
- **Quantitative Module (required 9 credits):** CMPSC 101 or CMPSC 121 or CMPSC 131 or CMPSC 200 or CMPSC 201, STAT 461, STAT 462. Select an additional twenty-one credits

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from the following: DIGIT 410, ECON 481, ECON 485, MATH 482, MIS 315, MIS 336, MIS 345, STAT 318, STAT 414, STAT 464, STAT 466, STAT 494 or MATH 494.

• **School Approved Lists for Business Modules**

- **Accounting and Finance (required 10 credits):** ACCTG 305, ACCTG 340, and FIN 451. Select an additional six credits from the following: any other 400-level ACCTG and FIN courses.
  - **Technical Sales (required 9 credits):** MKTG 410, SCM 455, SCM 460. Select an additional six credits from the following: MIS 404, MKTG 485, ACCTG 340.
  - **Operations and Supply Chain Management (required 9 credits):** SCM 445, SCM 455, SCM 460. Select an additional six credits from the following: ECON 485, MKTG 485, MIS 404, MIS 336.
- For updates to the list of Science and Business module courses, please contact Dr. Michael Rutter (mar36@psu.edu) or Dr. Diane Parente (dhp3@psu.edu).

**Advising Notes:**

- Students are encouraged to meet their general education requirements of inter-domain and linked courses in their general education credits.
- Students are encouraged to complete the US and IL general education requirements as part of their general education course selections.