

## **CHEMISTRY AND BUSINESS ADMINISTRATION DUAL MAJOR**

*Bachelor of Science*

As of Fall 2021

Major Requirements: 80 semester hours. At least 24 semester hours must be taken at Aquinas. All majors must attend at least 8 seminars sponsored by the Department of Chemistry. A GPA of 2.0 must be maintained. Only courses with a grade of C- or better will count in Business and a maximum of one C- (no lower grades) will count in Chemistry.

### AQUINAS REQUIREMENTS

### TRANSFER EQUIVALENTS

|   |     |   |
|---|-----|---|
| _____ AG 210 Principles of Accounting I                 | 4.0 | _____ BA 256 Principles of Accounting 1             |
| _____ AG 211 Principles of Accounting II                | 4.0 | _____ BA 257 Principles of Accounting 2             |
| _____ BS 201 Principles of Management                   | 3.0 | _____ BA 283 Business Management                    |
| _____ BS 202 Principles of Marketing                    | 3.0 | _____ BA 270 Marketing                              |
| _____ BS 305 Financial Management                       | 3.0 | _____   |
| _____ BS 460 Ethical Application in Business            | 3.0 | _____   |
| _____ BS 492 Cases in Business Policy                   | 3.0 | _____   |
| _____ CS 152 Spreadsheets                               | 1.0 | _____ CIS 156 Microsoft Excel                       |
| _____ CY 111 General Chemistry I                        | 4.0 | _____ CHM 130 & 131 (combined) Gen Chem 1 & Lab     |
| _____ CY 112 General Chemistry II (pre-requisite = CS1: | 4.0 | _____ CHM 140 & 141 (combined) Gen Chem 2 & Lab     |
| _____ CY 211 Organic Chemistry I                        | 4.0 | _____ CHM 260 & 261 (combined) Organic Chem 1 & Lab |
| _____ CY 212 Organic Chemistry II                       | 4.0 | _____ CHM 270 & 271 (combined) Organic Chem 2 & Lab |
| _____ CY 215 Quantitative Analysis                      | 4.0 | _____ CHM 280 Quantitative Chemical Analysis        |
| _____ CY 325 Biochemistry                               | 4.0 | _____   |
| _____ CY 346 Instrumental Methods of Analysis           | 4.0 | _____ CHM 290 Instrumental Analysis                 |
| _____ CY 400 Undergrad Seminar / Research               | 1.0 | _____   |
| _____ CY 401 Undergrad Seminar / Research               | 2.0 | _____   |
| _____ ES 211 Microeconomic Principles                   | 3.0 | _____ EC 252 Principles of Microeconomics           |
| _____ ES 212 Macroeconomic Principles                   | 3.0 | _____ EC 251 Principles of Macroeconomics           |
| _____ MS 121 Calculus with Analytic Geometry            | 4.0 | _____ MA 133 Calculus with Analytic Geometry 1      |
| _____ MS 122 Calculus with Analytic Geometry            | 4.0 | _____ MA 134 Calculus with Analytic Geometry 2      |
| _____ MS 252 Statistics or MS 494 Statistics            | 3.0 | _____ MA 215 Statistics                             |
| _____ PC 213 Physics with Calculus                      | 4.0 | _____ PH 245 Calculus Physics 1                     |
| _____ PC 214 Physics with Calculus                      | 4.0 | _____ PH 246 Calculus Physics 2                     |

All students are expected to participate in the seminar/lecture series sponsored by the Department of Chemistry. Attendance at a minimum of 8 seminars is required.

Please Note: Aquinas College reserves the right to change, modify or amend the above-stated requirements and/or courses in its sole discretion and without prior notice.

## **OPTIONAL CONCENTRATIONS WHICH MAY BE ADDED TO THE MAJOR**

Requirements: 15 semester hours. These are elective specializations and can only be declared with a Business, International Business or dual Business major. Courses taken in a concentration are considered as business electives in the context of the requirements of the B.S.B.A. Majors may declare either the marketing concentration or the marketing minor, but not both. A GPA of 2.0 must be maintained. Only courses with a grade of C- or better will count.

**Marketing (15 credits)**

Choose 4 courses from the following:

|       |                                    |     |       |              |
|-------|------------------------------------|-----|-------|--------------|
| _____ | BS 311 Advertising                 | 3.0 | _____ | _____        |
| _____ | BS 316 International Marketing     | 3.0 | _____ | _____        |
| _____ | BS 342 Digital Marketing           | 3.0 | _____ | _____        |
| _____ | BS 357 Public Relations            | 3.0 | _____ | _____        |
| _____ | BS 360 Consumer Behavior           | 3.0 | _____ | _____        |
| _____ | BS 414 Supply Chain Management     | 3.0 | _____ | _____        |
| _____ | BS 415 Sales Management            | 3.0 | _____ | BA 172 Sales |
| _____ | ES 311 Intermediate Microeconomics | 3.0 | _____ | _____        |

Choose 1 capstone course from the following:

|       |                                      |     |
|-------|--------------------------------------|-----|
| _____ | BS 442 Cases in Marketing Management | 3.0 |
| _____ | BS 483 Marketing Strategy            | 3.0 |

**Human Resources (15 credits)**

Choose 5 courses from the following:

|       |                                  |     |       |                                   |
|-------|----------------------------------|-----|-------|-----------------------------------|
| _____ | BS 321 Industrial Psychology     | 3.0 | _____ | _____                             |
| _____ | BS 340 Public Administration     | 3.0 | _____ | _____                             |
| _____ | BS 355 Organizational Behavior   | 3.0 | _____ | BA 282 Organizational Behavior    |
| _____ | BS 356 Organizational Leadership | 3.0 | _____ | _____                             |
| _____ | BS 362 Negotiations              | 3.0 | _____ | _____                             |
| _____ | BS 372 Training and Development  | 3.0 | _____ | _____                             |
| _____ | BS 410 Human Resource Management | 3.0 | _____ | BA 284 Human Resources Management |
| _____ | BS 496 Human Resource Practicum  | 3.0 | _____ | _____                             |

**International Business (15 credits)**

|       |  |           |       |   |
|-------|--|-----------|-------|---|
| _____ | BS456 Cases in International Business                                    | 3.0       | _____ | _____   |
| _____ | Choose four (4) courses from the following:                              |           | _____ | _____   |
| _____ | BS313 International Business   | 3.0       | _____ | BA 288 Introduction to International Business |
| _____ | BS315 Culture in International Business                                  | 3.0       | _____ | _____   |
| _____ | BS316 International Marketing  | 3.0       | _____ | _____   |
| _____ | BS397 Field Experience in International/Global Business (min. 3 credits) | 3 or more | _____ | _____   |
| _____ | BS455 International Finance  | 3.0       | _____ | _____   |
| _____ | BS490 Study Away Business Experience                                     | 3.0       | _____ | _____   |
| _____ | ES342 International Economics  | 3.0       | _____ | _____   |

A practicum approved by the department may be substituted for up to 2 courses in the HR concentration

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