BUSE 102	Introduction to Customer Service	3
BUSE 201	Business Organization and Management	3
CBTE 180	Microsoft Office	3
	or	
CBTE 210	Computers in Business	3
	or	
CISC 181	Principles of Information Systems	4

[1]BUSE 100 is recommended as a first semester course.

Complete at least six (6) units from the following business/business-related courses (not selected above):

BUSE 102	Introduction to Customer Service	3
BUSE 129	Introduction to Entrepreneurship	3
BUSE 140	Business Law and the Legal Environment	3
BUSE 150	Human Relations in Business	3
BUSE 155	Small Business Management	3
ACCT 116A	Financial Accounting	4
ACCT 116B	Managerial Accounting	4
CBTE 210	Computers in Business	3
CISC 181	Principles of Information Systems	4
ECON 121	Principles of Microeconomics	3
MARK 100	Principles of Marketing	3
PADM 200	Introduction to Public Administration	3

Complete at least one of the following mathematics courses:

BUSE 101	Business Mathematics	3
BUSE 115	Statistics for Business	3
MATH 119	Elementary Statistics	3
MATH 121	Basic Techniques of Applied Calculus I	3
MATH 150	Calculus with Analytic Geometry I	5
PSYC 258	Behavioral Science Statistics	3

Complete at least three (3) units from the following occupational courses (not selected above):

BUSE 120	Principles of Money Management	3
BUSE 270	Business Internship / Work Experience	1–4
ACCT 102	Basic Accounting	3
ACCT 150	Computer Accounting Applications	3
CBTE 120	Beginning Microsoft Word	2
CBTE 122	Intermediate Microsoft Word	3
CBTE 127	Beginning Microsoft PowerPoint	2
CBTE 140	Beginning Microsoft Excel	2
CBTE 143	Intermediate Microsoft Excel	3
CBTE 152	Beginning Microsoft Access	2
CBTE 180	Microsoft Office	3
LIBS 101	Information Literacy and Research Skills	1

Total Units = 27–30

For graduation requirements, see **Requirements for the Associate Degree** on page 92.

Electives as needed to meet minimum of 60 units required for the degree.

Associate in Science in Business Administration 2.0 for Transfer Degree:

The Associate in Science in Business Administration 2.0 for Transfer degree is intended for students who plan to complete a bachelor's degree in Business Administration or a related major in the California State University (CSU) system. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

Miramar College offers two very similar Business Administration for Transfer degrees - the original Business Administration for Transfer AS-T and the Business Administration for Transfer 2.0 AS-T. Each version of the degree may provide different admission priority statuses for different CSU campuses and majors. Therefore, students who intend to transfer to a CSU campus should consult a counselor for additional information about CSU admission priorities, and transfer requirements, and to identify and select the best degree option.

The following is required for all AA-T or AS-T degrees:

- Completion of 60 CSU-transferable semester units. No more than 60 units are required.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major (see list above). All courses in the major must be completed with a grade of C or P or better.
- Certified completion of the California State University General Education-Breadth pattern (CSU GE; see page 124 for more information); OR the Intersegmental General Education Transfer

Curriculum pattern (IGETC; see page 116 for more information).

Courses Required for the Major:		Units
BUSE 119	Business Communications	3
BUSE 140	Business Law and the Legal Environment	3
ACCT 116A	Financial Accounting	4
ACCT 116B	Managerial Accounting	4
ECON 120	Principles of Macroeconomics	3
ECON 121	Principles of Microeconomics	3
Select one of the following statistics courses:		
BUSE 115	Statistics for Business	3
MATH 119	Elementary Statistics	3
Select one of the following calculus courses:		
MATH 121	Basic Techniques of Applied Calculus I	3
MATH 150	Calculus with Analytic Geometry I	5
	Total Units = 26-28	

Recommended electives: Computer and Information Sciences 181.

Note: CISC 181 is an additional major preparation course for many CSU campuses.

Electives as needed to meet maximum of 60 CSU-transferable units required for the degree.

Chemistry

Award Type	Units
Associate of Science Degree:	
Chemistry Studies	18*

* and courses to meet graduation requirements, general education and electives as needed to meet the minimum of 60 units required for the degree.

Program Description

The Chemistry program fosters an understanding of the fundamental principles of chemistry in a variety of applications – medicine, health-care products, energy, food production, body metabolism, structural materials, microelectronics, and the environment. Students learn how chemical knowledge is derived, theorized, and applied in solving problems in everyday life. Students perform experiments in a modern chemistry laboratory under the guidance of experienced faculty. The curriculum is designed to meet the needs of students who wish to pursue a major in fields such as: (1) chemistry, biology, marine science, geology, physics, medicine, engineering, or technology; (2) paramedical or allied health science, including nursing, physical therapy, or nutrition; or (3) liberal arts. Courses will also meet general education requirements for both the two and four-year institutions.

Program Learning Outcomes

Students who complete the Chemistry program will be able to:

- Be proficient in the nomenclature, reactions, calculations, concepts, and theories common to first- and second-year general and organic chemistry courses at a level that is competitive with other students upon transfer to a 4-year college/university or entrance to a professional school.
- Successfully perform and communicate information related to experiments involving chemical equipment, measurement, and data collection.

Transfer Information

Common university majors related to the field of chemistry include:

- Chemistry
- Biochemistry
- Chemical Engineering
- Chemical Physics
- Environmental Chemistry

Students who plan to transfer to a four-year college or university in this discipline should consult with a counselor or visit the Transfer Center to determine the appropriate major preparation courses for their specific transfer institution and major. More information on transfer programs and procedures is available in the Transfer Guide section of the catalog.

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