

Program Proposal for the
Computer Information Systems Option
Computer Information Systems
Department (CIS)
College of Business Administration (CBA)

Final proposal for the Computer Information Systems Option includes the following sub-sections:

- 1) Assessment Plan including:
 - a. Mission and Vision Statements for the College of Business Administration
 - b. Learning Goals and Objectives for the BS in Business Administration
 - c. Mission and Vision Statements for the Computer Information Systems Department
 - d. Learning Goals, Objectives, and Student Learning Outcomes for the BS in Business Administration with an Option in Computer Information Systems
 - e. Curriculum Matrix
 - f. Methods for Assessment
 - g. Timeline

ASSESSMENT PLAN

MISSION AND VISION STATEMENTS FOR THE
COLLEGE OF BUSINESS ADMINISTRATION

Mission Statement

The College of Business Administration at Cal Poly Pomona is a diverse community of students, teacher-scholars, and staff, committed to active learning through the application of theory in practice. The College partners with its stakeholders to develop individuals with the skills and knowledge to be successful and to contribute in a dynamic global business environment.

Vision Statement

The College of Business Administration will be the school of choice for high-achieving students seeking a challenging polytechnic environment and for industry leaders searching for talented employees. The College will be recognized for its cutting edge, learn-by-doing academic programs resulting in career focused, innovative problem solvers with effective communication skills. Graduate and undergraduate curricula will address the rapidly changing needs of the global business community while fostering ethical approaches to business challenges. Beyond classroom learning, academic and professional centers of excellence will serve as living laboratories for our diverse students and faculty and will be valuable resources for our community partners and industry leaders.

LEARNING GOALS AND OBJECTIVES FOR THE
BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION PROGRAM

Learning Goal # 1. Students completing the BSBA program will be able to communicate effectively in a business environment.

Corresponding Objectives:

- a. Students will demonstrate oral communication skills during group presentations.
- b. Students will demonstrate written communication skills by producing quality business documents.

Learning Goal # 2. Students completing the BSBA program will be able to use critical thinking to make business decisions.

Corresponding Objectives:

- a. Students will demonstrate the ability to identify key issues.
- b. Students will demonstrate the ability to find, read, and evaluate information sources.
- c. Students will demonstrate the ability to use technology to gather and analyze data.
- d. Students will demonstrate the ability to solve problems using appropriate quantitative / qualitative skills.
- e. Students will acknowledge and consider each other's opinions when participating in group decisions.

Learning Goal # 3. Students completing the BSBA program will understand the impact of globalization and diversity on the business environment.

Corresponding Objectives:

- a. Students will demonstrate an understanding of the implications of current global issues.
- b. Students will demonstrate an understanding of cultural and diversity issues.
- c. Students will consider global issues when solving business problems.

Learning Goal # 4. Students completing the BSBA program will be able to demonstrate knowledge of fundamental principles and deal with business problems from an integrative perspective.

Corresponding Objectives:

- a. Students will demonstrate understanding of concepts and basic terminology from all business disciplines.
- b. Students will understand how one functional area impacts another and apply an interdisciplinary approach when solving business problems.

Learning Goal # 5. Students completing the BSBA program will be able to demonstrate awareness of the ethical and legal aspects of the business environment.

Corresponding Objectives:

- a. Students will demonstrate the ability to recognize key aspects of ethical issues.
- b. Students will demonstrate the ability to distinguish between legal and ethical issues.
- c. Students will demonstrate an understanding of ethical responsibilities in both academic and business environments.

Curriculum Matrix for the BSBA Program (BUSINESS CORE)

| Business Core Courses / Learning Outcomes | PO # 1 Effective Communication | | PO # 2 Critical Thinking | | | | | PO # 3 Globalization and Diversity | | | PO # 4 Functional Knowledge / Integration | | PO # 5 Ethical Awareness | | |
|---|--------------------------------|--------|--------------------------|--------|--------|--------|--------|------------------------------------|--------|--------|---|--------|--------------------------|--------|--------|
| | SLO 1a | SLO 1b | SLO 2a | SLO 2b | SLO 2c | SLO 2d | SLO 2e | SLO 3a | SLO 3b | SLO 3c | SLO 4a | SLO 4b | SLO 5a | SLO 5b | SLO 5c |
| CIS1010 | | | | | | | | | | | I | | | | |
| FRL2013 | I | D | D | D | D | | D | | | | | | I | D | I |
| ACC2070 | | D | D | D | D | D | | I | | | I | | | D | |
| ACC2080 | | D | D | D | D | D | | I | | | I | | D | | D |
| CIS3100 | | D | D, A | D, A | D, A | D, A | | D | | D | D, A | | D | | |
| FRL3000 | D | D | D | D | D | D | D | I, A | | | D, A | | D | D | D |
| IBM3012 | D | D, A | D | D | | D | D, A | I | I | I | I | I | I, A | | |
| MHR3010 | D | D, A | | | | D | D, A | | D | D | D | | D | D | |
| MHR3020 | | D | | | | D | D, A | | D, A | I, A | D | | D, A | D, A | D, A |
| TOM3010 | D | D | | | D | D | | D | | | D | | | | D |
| TOM3020 | | D | | | D | D | | | | | | | | | |
| BUS3000 | D | D | | D | | | | | | | | | | | |
| BUS3102 | | | | | | | | D | | D | D | | | | |
| BUS4950 | M, A | M | | | | | M, A | D | | | M | M, A | | | M |

| | |
|------------------|-------------------------------|
| I - Introduction | M - Mastery |
| D - Development | A - Assessment data collected |

Methods of Assessment for the BSBA Program (BUSINESS CORE)

| Program Objectives | Student Learning Outcome | Assessment Method |
|--|---|---|
| PO # 1 Students completing the BSBA program will be able to communicate effectively in a business environment. | SLO 1a: Students will demonstrate oral communication skills during group presentations. | SLO 1a: Student presentation rubric BUS495 – Strategic Management (capstone) |
| | SLO 1b: Students will demonstrate written communication skills by producing quality business documents. | SLO 1b: Written essays IBM 3012 – Principles of Marketing Management MHR 3010 – Principles of Management |
| PO # 2 Students completing the BSBA program will be able to use critical thinking to make business decisions. | SLO 2a: Students will demonstrate the ability to identify key issues. | SLOs 2a, 2b, 2c, 2d: Course-embedded Excel project rubric CIS3100 – Management Information Systems |
| | SLO 2b: Students will demonstrate the ability to find, read, and evaluate information sources. | |
| | SLO 2c: Students will demonstrate the ability to use technology to gather and analyze data. | |
| | SLO 2d: Students will demonstrate the ability to solve problems using appropriate quantitative / qualitative skills. | |
| | SLO 2e: Students will acknowledge and consider each other's opinions when participating in group decisions. | Student peer group evaluation rubric: IBM 3012 – Principles of Marketing Management MHR 3010 – Principles of Management MHR 3020 – Organizational Behavior Student teamwork rubric: BUS495 – Strategic Management (capstone) |

Methods of Assessment for the BSBA Program (BUSINESS CORE)

| Program Objectives | Student Learning Outcome | Assessment Method |
|---|---|---|
| PO # 3 Students completing the BSBA program will understand the impact of globalization and diversity on the business environment. | SLO 3a: Students will demonstrate an understanding of the implications of current global issues. | Course-embedded exam: FRL3000 Managerial Finance |
| | SLO 3b: Students will demonstrate an understanding of cultural and diversity issues. | On-line quiz: MHR 3020 – Organizational Behavior |
| | SLO 3c: Students will consider global issues when solving business problems. | Globalization case rubric: MHR 3020 – Organizational Behavior |
| PO # 4 Students completing the BSBA program will be able to demonstrate knowledge of fundamental principles and deal with business problems from an integrative perspective | SLO 4a: Students will demonstrate understanding of concepts and basic terminology from all business disciplines. | Quiz: CIS3100 – Management Information Systems Course-embedded exam: FRL3000 Managerial Finance |
| | SLO 4b: Students will understand how one functional area impacts another and apply an interdisciplinary approach when solving business problems. | Course-embedded exam: BUS495 – Strategic Management (capstone) |
| PO # 5 Students completing the BSBA program will be able to demonstrate awareness of the ethical and legal aspects of the business environment. | SLO 5a: Students will demonstrate the ability to recognize key aspects of ethical issues. | SLO 5a, 5b, 5c: Ethical decision making rubric MHR 3020 – Organizational Behavior Ethical decision making rubric |
| | SLO 5b: Students will demonstrate the ability to distinguish between legal and ethical issues. | |
| | SLO 5c: Students will demonstrate an understanding of ethical responsibilities in both academic and business environments. | SLO 5a: On-line quiz: IBM 3012 – Principles of Marketing Management |

Five-Year Program Assessment Schedule (2018-2023) for the BSBA Program (BUSINESS COR

| | 2018 - 2019 | 2019 - 2020 | 2020 - 2021 | 2021 - 2022 | 2022 |
|---|-------------|-------------|-------------|-------------|------|
| Program Objectives/Student Learning Outcomes | | | | | |
| PO 1: Effective Communication | | | | | |
| SLO 1a: oral communication | S '19 | | | S '22 | |
| SLO 1b: written communication | S '19 | | | S '22 | |
| PO 2: Critical Thinking | | | | | |
| SLO 2a: identify issues | | S '20 | | F'21 | |
| SLO 2b: find, read, evaluate sources | | S '20 | | F'21 | |
| SLO 2c: use IT to gather/analyze data | | S '20 | | F'21 | |
| SLO 2d: solve problems | | S '20 | | F'21 | |
| SLO 2d: acknowledge opinion's of others | | S '20 | | F'21 | |
| PO 3: Globalization and Diversity | | | | | |
| SLO 3a: current global issues | | | S '21 | | F |
| SLO 3b: culture / diversity | | | S '21 | | F |
| SLO 3c: global issues in solving business problems | | | S '21 | | F |
| PO 4: Functional Knowledge and Integration | | | | | |
| SLO 4a: basic terminology | | S '20 | | | S |
| SLO 4a: interdisciplinary perspective | | S '20 | | | S |
| PO 5: Ethical Awareness | | | | | |
| SLO 5a: key aspects of ethical issues | S '19 | | S '21 | | |
| SLO 5b: ethical vs legal | S '19 | | S '21 | | |
| SLO 5c: ethics in academics & business | S '19 | | S '21 | | |

MISSION STATEMENT FOR THE Computer Information Systems DEPARTMENT

The Computer Information Systems (CIS) Department educates students for successful careers as information technology professionals. The CIS program is recognized both regionally and nationally. Faculty have top academic credentials and industry experience and are committed to quality teaching and to working with students on relevant research that strengthens professional IT practice and teaching. In keeping with Cal Poly Pomona's unique polytechnic approach to education, CIS students learn both theory and current practice in a strong, common core and in specialized courses. Using a hands-on, learn-by-doing approach, students apply cutting-edge technologies and problem-solving approaches to course projects and real-world problems. CIS graduates will be ready to excel in the technology-driven business world.

VISION STATEMENT FOR THE Computer Information Systems OPTION

The Computer Information Systems (CIS) Department provides our students with the education to become Information Technology leaders. The cutting-edge, career-focused CIS programs and learn-by-doing teaching will make our graduates recognized nationally for their outstanding Information Technology expertise, innovative problem-solving ability, and effective interpersonal and communication skills.

PROGRAM OBJECTIVES (POs) AND STUDENT LEARNING GOALS (SLOs) FOR THE
BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION PROGRAM
(with an OPTION in **Computer Information Systems**)

PO 1. Students completing the BSBA program with the Computer Information Systems Option will demonstrate knowledge and skills of fundamental CIS principles and deal with business problems and decision making from an integrative perspective.

Corresponding Student Learning Outcomes (SLOs):

SLO 1a: CIS students will be able to explain the concepts and basic terminology commonly used in the CIS discipline.

SLO 1b: CIS students will be able to identify, analyze and solve business-computing problems using knowledge and skills in the CIS discipline.

PO 2: Students completing the BSBA program with the Computer Information Systems Option will use critical thinking, computing and analytical skills to solve business problems and make business decisions.

Corresponding Student Learning Outcomes (SLOs):

SLO 2a: CIS students will be able to identify key business computing issues, and explain the role of CIS in a firm.

SLO 2b: CIS students will be able to solve business-computing problems using appropriate quantitative and qualitative skills.

PO 3: Students completing the BSBA program with the Computer Information Systems Option will demonstrate awareness of the ethical and global aspects and practices of the business computing and decision-making.

Corresponding Student Learning Outcome (SL):

SLO 3a: CIS students will be able to identify and explain key aspects of ethical issues in business computing and decision-making.

SLO 3b: CIS students will be able to identify and explain key aspects of global issues in business computing and decision-making.

PO 4: Students completing the BSBA program with the Computer Information Systems (CIS) Option will communicate effectively in a business environment.

Corresponding Student Learning Outcomes (SLOs):

SLO 4a: CIS students will be able to effectively communicate orally by delivering a quality multi-media presentation, for a wide variety of audiences, either individually or as part of a group.

SLO 4b: CIS students will be able to write clearly and effectively by delivering a quality report or document, for a wide variety of audiences, either individually or as part of a group.

PO 5: Students completing the BSBA program with the Computer Information Systems (CIS) Option will practice professional development in CIS discipline.

Corresponding Student Learning Outcomes (SLOs):

SLO 5a: CIS students will be able to develop continuous process of acquiring new knowledge and skills that relate to CIS profession, job responsibilities, or work environment.

Curriculum Matrix for the BSBA Program with the Computer Information Systems Option

| Courses/ Learning Objectives | PO #1 Knowledge and Skills | | PO #2 Critical Thinking | | PO #3 Ethics and Globalization | | PO #4 Communications | | PO #5 Professional Development |
|------------------------------------|----------------------------|---------------------------|-------------------------|----------------|--------------------------------|---------------|----------------------|---------|--------------------------------|
| | Basic Terms | Inter-disciplinary Impact | Identify Key Issues | Solve Problems | Ethical Issues | Global Issues | Oral | Written | Professional Development |
| CORE | | | | | | | | | |
| CIS 3050 | D | | D | D | D | | D | D | D |
| CIS 3090 | D | | D | D | | | | D | |
| CIS 3252 | D | | D | D | | | | D | |
| ELECTIVES | | | | | | | | | |
| <i>App Dev track</i> | | | | | | | | | |
| CIS 3150 | D | | D | D | | | | D | |
| CIS 4290 | M | | M | M | | | M | M | M |
| Select 2 from: | | | | | | | | | |
| CIS 3110 | D | | D | D | | | D | D | |
| CIS 4260 | M | | M | M | | | M | M | |
| CIS 4280 | M | | M | M | | | M | M | |
| CIS 4250 | M | | M | M | M | | M | M | M |
| CIS 4270 | M | | M | M | M | | M | M | M |
| <i>Security track</i> | | | | | | | | | |
| CIS 2650 | I | | I | I | | | | I | |
| CIS 2670 | I | | I | I | | | | I | X |
| Select 2 from: | | | | | | | | | |
| CIS 3470 | D | | D | D | D | D | D | D | |
| CIS 4333 | M | M | M | M | M | M | | M | M |
| CIS 4670 | M | | M | M | | | | M | |
| CIS 4710 | M | | M | M | | | M | M | |

| Courses/ Learning Objectives | PO #1 Knowledge and Skills | | PO #2 Critical Thinking | | PO #3 Ethics and Globalization | | PO #4 Communications | | PO #5 Professional Development |
|------------------------------------|----------------------------|---|----------------------------|---|--------------------------------------|---|-------------------------|---|--------------------------------------|
| | | | | | | | | | |
| CIS 2670 | I | | I | I | | | | X | |
| CIS 3150 | D | | D | D | | | | X | |
| Select 2 from: | | | | | | | | | |
| CIS 3454 | D | | D | D | | | | D | |
| CIS 3650 | D | | D | D | | | D | D | |
| CIS 4321 | M | | M | M | | | | M | |
| CIS 4567 | M | | M | M | | | | M | |
| CIS 4680 | M | | M | M | | | | M | |
| Independent Study | | | | | | | | | |
| CIS 2000 | I | | I | I | | | | I | |
| CIS 4000 | M | | M | M | | | | M | |
| CIS 2990 | I | | I | I | | | | I | |
| CIS 4990 | M | | M | M | | | | M | |
| Internship | | | | | | | | | |
| CIS 4410 | | | M | M | | | | M | M |
| CIS 4420 | | | M | M | | | | M | M |
| Business Core | | | | | | | | | |
| CIS 3100 | D | D | D | D | D | D | D | D | |
| GE | | | | | | | | | |
| CIS 1003 | I | I | I | I | I | I | I | I | |
| Service Course | | | | | | | | | |
| CIS 2201 | I | I | I | I | | | | I | |
| CIS 3030 | D | D | D | D | | | D | D | |

- I - Introduction
- D - Development
- M - Mastery
- A - Assessment data collected

Methods of Assessment for the Computer Information Systems Option

| Program Objectives | Student Learning Outcome | Assessment Method |
|---|--|---|
| <p>PO # 1</p> <p>Students completing the BSBA program will demonstrate knowledge and skills of fundamental CIS principles and deal with business problems and decision making from an integrative perspective.</p> | <p>SLO 1a: CIS students will be able to explain the concepts and basic terminology commonly used in the CIS discipline.</p> | <p>SLO 1a: Course-embedded Excel project CIS3100 – Management Information Systems</p> |
| | <p>SLO 1b: CIS students will be able to identify, analyze and solve business-computing problems using knowledge and skills in the CIS discipline.</p> | <p>SLO 1b: Course-embedded Excel project CIS3100 – Management Information Systems</p> |
| <p>PO # 2</p> <p>Students completing the BSBA program will use critical thinking, computing and analytical skills to solve business problems and make business decisions.</p> | <p>SLO 2a: Students will demonstrate the ability to identify key issues.</p> <p>SLO 2b: Students will demonstrate the ability to solve problems using appropriate quantitative / qualitative skills.</p> | <p>SLO 2a: Course-embedded exam CIS3090 – Object-Oriented Programming for Business</p> <p>SLO 2b: Course-embedded exam CIS3090 – Object-Oriented Programming for Business</p> |

Methods of Assessment for the Computer Information Systems Option (continued)

| Program Objectives | Student Learning Outcome | Assessment Method |
|---|---|---|
| <p>PO # 3</p> <p>Students completing the Computer Information Systems Option will demonstrate awareness of the ethical and global aspects and practices of the business computing and decision-making.</p> | <p>SLO 3a: CIS students will be able to identify and explain key aspects of ethical issues in business computing and decision-making.</p> <p>SLO 3b: CIS students will be able to identify and explain key aspects of global issues in business computing and decision-making</p> | <p>SLO 3a: Course-embedded Excel quiz CIS3100 – Management Information Systems</p> <p>SLO 3b: Course-embedded Excel quiz CIS3100 – Management Information Systems</p> |
| <p>PO # 4</p> <p>Students completing the Computer Information Systems Option will communicate effectively in a business environment.</p> | <p>SLO 4a: CIS students will be able to effectively communicate orally by delivering a quality multi-media presentation, for a wide variety of audiences, either individually or as part of a group.</p> | <p>SLO 4a: Course-embedded project CIS3250 – Business Intelligence</p> |
| | <p>SLO 4b: CIS students will be able to write clearly and effectively by delivering a quality report or document, for a wide variety of audiences, either individually or as part of a group.</p> | <p>SLO 4b: Course-embedded project CIS3250 – Business Intelligence</p> |
| <p>PO # 5</p> <p>Students completing the Computer Information Systems Option will practice professional development in CIS discipline.</p> | <p>SLO 5a: CIS students will be able to develop continuous process of acquiring new knowledge and skills that related to CIS profession, job responsibilities, or work environment.</p> | <p>SLO 5a: Course-embedded project CIS3050 - Database Design and Development</p> |

**Five-Year Program Assessment Schedule (2018-2023) for the BSBA Program with the
Computer Information Systems Option**

| | 2018 - 2019 | 2019 - 2020 | 2020 - 2021 | 2021 - 2022 | 2022 - 2023 |
|---|-------------|-------------|-------------|-------------|-------------|
| Program Objectives/Student Learning Outcomes | | | | | |
| PO 1: Knowledge and Skills | | | | | |
| SLO 1a: basic terms | S '19 | | | S '22 | |
| SLO 1b: inter-disciplinary impact | S '19 | | | S '22 | |
| PO 2: Critical Thinking | | | | | |
| SLO 2a: identify issues | | S '20 | | F'21 | |
| SLO 2b: solve problems | | S '20 | | F'21 | |
| PO 3: Ethics and Globalization | | | | | |
| SLO 3a: ethical issues | | | S '21 | | F '22 |
| SLO 3b: global issues | | | | | |
| PO 4: Communications | | | | | |
| SLO 4a: oral | | S '20 | | | S '23 |
| SLO 4a: written | | S '20 | | | S '23 |
| PO 5: Professional Development | | | | | |
| SLO 5a: professional development | S '19 | | S '21 | | |