Non Traditional Baccalaureate Degree Pathways for Community College Graduates

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Session Objectives

- Determine what high demand and high wage employment (in the college’s service area) require bachelor’s degrees.
- Define the parameters by which a bachelor’s degree opportunity will meet the needs of your students.
- Customize the pathways for transfer between your community college and the four-year institution.
- Utilize associate degrees for transfer to create pathways unique to your community college and the four-year institution (true 2+2 program).
- Develop the memorandum of understanding that defines all aspects of the agreement and the responsibilities of each institution.
The Partnership...
Four PLNU Baccalaureate Degrees offered at MiraCosta College
Business Administration
Computer Information Technology
Registered Nursing
Child Development
Why PLNU Approached MiraCosta College to Develop the Programs

• Opportunity to expand existing programs to new locations and markets.

• Provide a private school education at a more affordable cost.

• Meet the needs of working students who have a desire to complete a bachelor degree.
Key Features of Programs

- Convenient
  - Location
  - Days and times

- Quality
  - Curriculum
  - Delivery

- Supportive
  - Cohort model
  - Faculty and staff
Labor Market Demands for Jobs Requiring Bachelor’s Degrees: Center of Excellence for Labor Market Research

http://coeccc.net/

Business Administration

**Exhibit 4: Hourly Earnings for Managers, All Other in San Diego County**

- **10th Percentile**: $15.83
- **25th Percentile**: $19.74
- **Median**: $44.89
- **75th Percentile**: $48.58
- **90th Percentile**: $57.59

**Exhibit 7: Labor Demand (Annual Openings) Compared to Labor Supply (Average Annual Awards)**

<table>
<thead>
<tr>
<th>Community Colleges and Other Postsecondary Educational Institutions</th>
<th>Demand (Annual Openings)</th>
<th>Supply (Total Annual Average Supply)</th>
<th>Supply Gap or Oversupply</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Diego County</td>
<td>880</td>
<td>433</td>
<td>447</td>
</tr>
<tr>
<td>California</td>
<td>9,423</td>
<td>63,578</td>
<td>54,155</td>
</tr>
</tbody>
</table>
Parameters for meeting needs of transferring community college students

- Must be a true 2+2 program.
  - Sixty units of a 120 unit bachelor’s degree must transfer course for course (including general education areas).
    - The AD-T in business administration
  - Community college support services continue to be available to the student transferring to PLNU.
- Cohort model.
- Tuition and fees must be comparable to CSU tuition and fees.
  - Result is another transfer option for graduates.
  - Students may consider as part of their chosen academic and career pathway.
PLNU
Bachelor of Business Administration (BBA) with a Concentration in Management and Marketing

Curriculum Requirements

<table>
<thead>
<tr>
<th>MiraCosta Courses (AS Business Administration)</th>
<th>PLNU Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BUS Core</strong></td>
<td><strong>GE</strong></td>
</tr>
<tr>
<td><strong>Business and Related</strong></td>
<td></td>
</tr>
<tr>
<td>BUS 120 Intro To Business OR</td>
<td>3</td>
</tr>
<tr>
<td>CSIT 120 Fundamentals of Computer Info Systems OR</td>
<td></td>
</tr>
<tr>
<td>BUS 290 Business Communication</td>
<td></td>
</tr>
<tr>
<td>ECON 101 Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102 Microeconomics</td>
<td></td>
</tr>
<tr>
<td>ACCT 201 Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 202 Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 140 Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MATH 115 Calculus with Applications</td>
<td>4</td>
</tr>
<tr>
<td>BUS 204 Business Statistics OR</td>
<td>3 - 4</td>
</tr>
<tr>
<td>MATH 103 Statistics</td>
<td></td>
</tr>
<tr>
<td><strong>Total Business and Related</strong></td>
<td>27 - 28</td>
</tr>
<tr>
<td><strong>General Education (PLNU Requirements)</strong></td>
<td></td>
</tr>
<tr>
<td>Communication (at least one course in English Composition)</td>
<td>6</td>
</tr>
<tr>
<td>Humanities/Fine Arts (at least one course from: literature, philosophy, art or music appreciation, art or music history, fine arts, or history)</td>
<td>6</td>
</tr>
<tr>
<td>Natural Science and Math (at least one course in Math)</td>
<td>0</td>
</tr>
<tr>
<td>Social and Behavioral Sciences</td>
<td>0</td>
</tr>
<tr>
<td>Bible and Theology (at least one course taken from PLNU)</td>
<td>0</td>
</tr>
<tr>
<td>Additional earned in any of the above areas</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total GE (PLNU Requirements)</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>General Education (Mira Costa Requirements)</strong></td>
<td></td>
</tr>
<tr>
<td>Remaining Courses required to satisfy Mira Costa AS in Business, including all remaining Mira Costa GE requirements</td>
<td>14 - 15</td>
</tr>
<tr>
<td><strong>Total GE (Mira Costa Requirements not included above)</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Total Mira Costa Business Core and GE</strong></td>
<td>27 - 28</td>
</tr>
<tr>
<td><strong>Total PLNU Business Core and Other</strong></td>
<td>21</td>
</tr>
</tbody>
</table>

**Notes:**

(1) 6 units required; satisfied as 6 or 7 units of Math/Stats units to be completed at Mira Costa as part of the Business and Related courses

(2) 6 units required; satisfied as 6 units of economics units to be completed at Mira Costa as part of the Business and Related courses

(3) 6 units required; satisfied as 6 units of Religious Studies/Ethics units to be completed as part of the PLNU General Education courses

Total PLNU: 60
Memorandum of Understanding:

- Board Approved
- Faculty assignments
- Curriculum (responsibilities for delivering the curriculum for each college)
- Entrance requirements (part of the articulation agreement)
- Registration (admissions and records)
- Academic support responsibilities
- Clerical support
- Academic advising and/or counseling
- Tuition and costs
- Room assignments
Faculty Perspective: Developing a New Computer Information Technology 2+2 Program

- Need for affordable IT bachelors degrees in North San Diego County
- Many positions require 4-year technical (IT) degree
- Few local and public schools offer 4-year IT degree
Labor Market Demands for Jobs Requiring Bachelor’s Degrees: Center of Excellence for Labor Market Research

http://coeccc.net/

Computer Occupations

![Exhibit 4: Hourly Earnings for Computer Occupations, All Other in San Diego County](image)

Select appropriate **Occupations (SOC codes):**

**LMI: Demand**

<table>
<thead>
<tr>
<th>Occupation (SOC Code)</th>
<th>LMI: Demand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Network Support Specialists (15-1152.00)</td>
<td>145</td>
</tr>
<tr>
<td>Information Security Analysts (15-1122.00)</td>
<td>67</td>
</tr>
<tr>
<td>Network and Computer Systems Administrators (15-1142.08)</td>
<td>251</td>
</tr>
<tr>
<td>Grand Total</td>
<td>453</td>
</tr>
</tbody>
</table>

**LMI: Supply**

<table>
<thead>
<tr>
<th>Program (TOP 8)</th>
<th>MiraCosta Supply</th>
<th>&quot;Other&quot; College Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Infrastructure and Support (070802)</td>
<td>0</td>
<td>24</td>
</tr>
<tr>
<td>Computer Networking (070610)</td>
<td>14</td>
<td>74</td>
</tr>
<tr>
<td>Information Technology General (070110)</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Grand Total</td>
<td>14</td>
<td>105</td>
</tr>
</tbody>
</table>
Parameters for a 2+2 IT Program

- All CSIT programs to be transferable
- Several meetings between PLNU and MCC Faculty
  - Decide on a start date for first cohort.
  - New MCC curriculum articulated with PLNU upper and lower division curriculum.
- Foundational goal of MCC and PLNU curriculum is preparing students to prepare for industry certifications
- PLNU created new courses to enhance their existing program articulating with MCC courses (Cloud Course and Cyber Topics courses)
How we put it together

- Relationships are key
  - Long term relationship with PLNU Department Chair
  - Mentored PLNU interns at SAIC
- Existing MOU and other programs in place
  - Business Administration
  - Nursing
  - Child Development
- MCC CSIT Department updated all programs and applicable courses
  - Advisory Board, LMI Data, High Wage positions
  - 9 new A.S. degree and 14 new certificates created
## MCC and PLNU 2+2 Agreement

<table>
<thead>
<tr>
<th>MiraCosta Courses (AS Degree and Certificate of Achievement: Cyber Security)</th>
<th>CIT Core</th>
<th>GE</th>
<th>PLNU Courses</th>
<th>CIT Core</th>
<th>GE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADM 100 Introduction to the Administration of Justice</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>or ADM 100H Introduction to the Administration of Justice (Honors)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>or CSIT 120 Fundamentals of Computer Information Systems</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 150 Fundamentals of Computer Hardware and Software</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 161 Fundamentals of Computer Networking</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 162 Fundamentals of Computer Security</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 185 Windows Server</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 184 Linux Server</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 185 Cyber Security: Analyst</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 188 Cyber Security: Ethical Hacker</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 194 IT Career Exploration and Portfolio Development</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>or CSIT 164 Professional Certification Preparation</td>
<td></td>
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<tr>
<td>or CSIT 192 Internship Studies</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>or CSIT 199 Occupational Cooperative Work Experience</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total CIT and Related</strong></td>
<td>26</td>
<td>0</td>
<td><strong>Total Units</strong></td>
<td>29</td>
<td>0</td>
</tr>
</tbody>
</table>

### General Education (PLNU Requirements)
- Communication (at least one course in English Composition) 6
- Humanities/Fine Arts (at least one course from Literature, philosophy, art, or music appreciation, art or music history, fine arts, or history) 6
- Natural Science and Math (at least one course in Math) 9
- Social and Behavioral Sciences 6
- Bible and Theology (at least one course taken from PLNU) 0-2
- Additional, as listed in the above areas 6

**Total GE (PLNU Requirements)** 30-32

### General Education (MiraCosta Requirements)

<table>
<thead>
<tr>
<th>Remaining Courses required to satisfy MiraCosta AS in Cyber Security</th>
<th>7-9</th>
</tr>
</thead>
<tbody>
<tr>
<td>including all remaining MiraCosta GE requirements</td>
<td></td>
</tr>
<tr>
<td><strong>Total MiraCosta AS Degree Requirements</strong> not included above</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total MiraCosta</strong></td>
<td>26</td>
</tr>
</tbody>
</table>

### Notes:
- Each student’s situation is unique; please talk with a PLNU Enrollment Counselor about the specific courses that you have taken at MCC.
- No courses will be accepted for transfer to PLNU with a grade lower than a “C”.
- These courses are necessary only if none of the approved MCC philosophy or religion courses are taken as part of the MiraCosta GE courses (see note 2).
CIT Cybersecurity Emphasis Program Growth

- Students complete MCC’s Cybersecurity AS Degree
- Students transfer to PLNU for CIT with Cyber 4 year degree

Leverages and extends MCC Cyber AS Degree

Cybersecurity Promotional Video

https://www.youtube.com/watch?v=8aa2ObAm-gM&feature=youtu.be

- One of a series of promotional videos funded by regional and local Strong Workforce Program Funds marketing initiatives (social media focus).

- Market student opportunities for high demand and high wage jobs upon graduation and/or after transfer.
Communications are key

- Plan start date for first cohort carefully
  - Ensure interest and enrollment
  - Inform counselors and CSIT faculty early and often
  - Inform students of the new opportunity early to ensure interest and timing with transfer applications
  - Involve PLNU and MCC faculty and deans
  - Ensure aspects of the MOU are honored

- General Education
  - PLNU accepts the ADT for programs with ADTs
  - PLNU and MCC faculty and counselors meeting in November 2018 to discuss and create acceptable general education for transfer (local GE and/or CSU GE and/or IGETC GE)

- Interaction with PLNU onsite coordinator
Promotional Flyer: Bachelor of Business Administration

**BACHELOR OF BUSINESS ADMINISTRATION**
AT MIRACOSTA COLLEGE

**YOU'RE READY.**
EMBRACE NEW POSSIBILITIES BY TURNING YOUR HARD-EARNED ASSOCIATE’S DEGREE INTO A BACHELOR OF BUSINESS ADMINISTRATION IN JUST TWO YEARS.

You've already taken the first step toward investing in your career, your future, your family. Your associate's degree has given you strong study skills and taught you how to balance life and school. So why stop now?

A Bachelor of Business Administration (BBA) is the next step to enhance your knowledge and gain the critical skills necessary to succeed in nearly any professional environment.

PLNU’s Fermanian School of Business offers a unique BBA specifically designed for associate of science in business administration students and graduates. Our BBA gives you access to the same professors and core curriculum as our traditional undergraduate students, only you'll be part of a small cohort of PLNU students on the Miracosta College campus in Oceanside.

**Program Details**
- **Schedule:** New classes start each fall
- **Location:** Miracosta College (Oceanside Campus)
- **Cost:** $3310 per unit
- **Expected completion time:** 24 months

**HAVE QUESTIONS?**
Get in touch with your dedicated North County PLNU advisor:

(619) 563-2850 | bba@pointloma.edu

**The PLNU Difference**
Explore life in 1982. PLNU's main campus is back in beautiful San Diego. Our small classes, focused faculty attention, and convenient program formats are just a few of the powerful ways PLNU delivers real value to every student.

“PLNU's BBA is more than the next step after your associate’s degree. Our program is specifically designed to capitalize on the skills you already have to prepare you for the next level in your career.”
Dan Bothe | Dean, PLNU Fermanian School of Business

Convenient: Our curriculum is designed for busy adults with face-to-face classes only two nights a week, and the rest online. So you don't have to worry about enrolling in new classes or adapting to a new schedule each new semester.

Balanced: Built into this specially designed curriculum are two essential concentrations: management and marketing. You'll learn what it takes to be a decision maker and team leader, while learning to use the latest marketing trends and technology to inform business strategy, development, and much more.

Supportive: By earning a BBA from PLNU, you will learn from faculty dedicated to your success and study alongside classmates driven to take the next step in achieving their professional goals. That means you will be part of a cohort of confident, experienced, and empowered individuals who are ready to take on what it means to pursue your true calling.

Earn 29% more per week WITH A BACHELOR'S DEGREE.

According to the U.S. Department of Labor’s Bureau of Labor Statistics, those with a bachelor’s degree have the potential to earn 29% more per week than those with an associate’s degree.
Promotional Flyer: B.A. in Computer Information Technology

Build a better future by combining your fascination with technology and your desire to work with others.

You recognize the need for technology to work together, and the need for collaboration and understanding among the people operating them. It is your drive to connect others to their work, combined with your desire to make information systems operate effectively, that pulls you toward a greater calling.

With a B.A. in Computer Information Technology from PLNU, you will have the practical skills to provide both businesses and individuals with IT solutions—making a more connected world possible.

Be the Bridge Between Technology and People
Gain hands-on understanding of systems—both technical and personal. Be equipped to use information technology to solve business problems. Enable communication between computer systems and lead collaboration among the people operating them.

Be Prepared for the Future
Through courses on hardware, networking, security, programming, database design, and more, you will be prepared for the professional world. Build your resume by taking at least three IT certification tests before you graduate.

Form Relationships with Expert Faculty
Learn from seasoned professors who want to see you succeed—academically, professionally, and personally. Their knowledge and support will ensure that you make the connections needed to align your work with your calling.

PLNU’s CIT degree will prepare you for the following widely recognized IT certifications from CompTIA:
- IT Fundamentals
- CompTIA Network+
- CompTIA A+
- CompTIA Security+
- CompTIA Project+

Be prepared for a career as:
- Quality assurance analyst
- Junior technology security specialist
- Junior business analyst
- Junior software application developer
- IT support engineer
- Hardware and system repair engineer
- IT solutions specialist

About PLNU
Point Loma Nazarene University is a private, Christian liberal arts institution located in San Diego, California. Founded in 1909, PLNU is known not only for its 80-acre campus overlooking the Pacific Ocean but also for its well-rounded, forward-thinking undergraduate and graduate programs. PLNU offers a wide range of academic disciplines and online and on-campus degree programs, enrolling more than 5,600 students.

To learn more about the program, visit www.pointloma.edu/CIT.
Questions/Comments

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