

## **Applied Bachelor's Degree in IT Project Management** **(Program ID #BABPM)**

### **Program Description:**

The Applied Bachelor's Degree in IT Project Management offers a thorough curriculum tailored to equip students for thriving careers in IT project management. Aligned with industry best practices, it ensures students are adept at meeting the field's demands. Emphasizing leadership and communication skills, the program also provides students with a thorough understanding of the principles of project and program management.

The curriculum provides a solid foundation in both predictive and agile project management methodologies. Students will grasp the impact of organizational change management practices on project results and develop the ability to proficiently handle contract and stakeholder negotiations. They will also gain a solid understanding of project risk management.

A strong technical foundation is vital for IT project managers. The program focuses on providing a high-level understanding of networks, database management, cloud architecture, cybersecurity, and software development.

By completing this degree program, students will gain a comprehensive understanding of IT project management principles and best practices. They will learn how to evaluate project costs, risks, and performance, ensuring successful project outcomes. Students will be well-prepared to pursue positions in IT project management or related fields. Additionally, students will be equipped with the knowledge necessary to pursue certifications such as the Project Management Institute's PMP, CompTIA Project+, and ITIL Foundations. Graduates will be qualified for roles such as IT Project Manager, Technical Project Manager, Program Manager.

Upon completion of the program, students will be able to

1. **Apply public speaking, critical thinking, problem solving, technical writing,** and working knowledge of IT security and organizational ethics to facilitate a career in the IT field.
2. **Evaluate the historical definitions of technology** with their strengths and limitations, and gain understanding in the contemporary perspectives on technology that blur the boundaries of machine and human elements, while applying and analyzing job market awareness, job search, resume writing, and job interviewing for in demand positions in the IT field.
3. **Develop logical reasoning and mathematical analysis skills** needed to create algorithms for general Information Technology applications like simulation, programming, science, and research.
4. **Demonstrate mastery** in project management methodologies, focusing on predictive, adaptive, and hybrid approaches.

5. **Initiate and lead projects through completion**, managing all phases of the project management life cycle.
6. **Evaluate and analyze** the costs, risks, and performance of a project at all phases of the project life cycle.
7. **Determine which project management methodology** to use for a project or portfolio of projects.
8. **Identify and prioritize projects in a portfolio** focusing on their interrelationships and capacity to deliver on an organization's strategic objectives
9. **Assess and recommend organizational changes** to support the project goals, deliverables and outcomes.
10. **Effectively conduct contract and stakeholder negotiations** to ensure compliance with corporate, procurement and legal standards.
11. **Demonstrate a high-level understanding of foundational IT technologies**, including networks, databases, operating systems, cloud architectures, software development platforms and languages.
12. **Identify cybersecurity risks** associated with the technical architectures used on a project, including risk reduction and mitigation strategies.
13. **Harness cloud architecture** appropriately when designing technical project plans.
14. **Demonstrate abilities in technical communication**, ensuring appropriate level of detail is captured in project artifacts.
15. **Craft a communication plan** that addresses the needs of all the stakeholders and team members.
16. **Complete a senior project** that demonstrates competence as an IT project manager.

**List of Courses:**

<b>12 Lower Division Courses Required</b>	
<b>Course Code</b>	<b>Course Name</b>
CIS100A	Computer Fundamentals
BAM102	Introduction to Spreadsheets and Understanding Data
BAM100A	Management Principles, Part 1
BAM100B	Management Principles, Part 2
BDA106A	Project Fundamentals, Part 1
BDA106B	Project Fundamentals, Part 2
BAM104	Business Communication
PJM101	Quantitative Decision Making for Project Managers
PJM102A	Microsoft Project, Part 1
PJM102B	Microsoft Project, Part 2
BAM105	Change Management
PJM103	IT Service Management
<b>6 Upper Division Courses Required</b>	
<b>Course Code</b>	<b>Course Name</b>
PJM200	Project Management Principles
PJM201	Program Management Principles
PJM202	Principles of Agile Project Management
PJM203	Project Risk Management
PJM204	Organizational Change Management
PJM205	Negotiation Principles
<b>7 Upper Division Elective Courses Required</b>	
<b>Course Code</b>	<b>Course Name</b>
PJM300	Networking Principles
PJM301	Software Development for Project Managers
PJM302	Principles of Database Management
PJM303	Cybersecurity Principles
PJM304	Cloud Applications and Computing Overview
PJM305	Technical Communication in Project Management
PJM306	Senior Project