

English Version

April 2025 Addendum to the 2025-2026 University Student Catalog

The Jala University Catalog Addendum for 2025-2026 is a summary of policy and academic program changes. For the 2025-2026 academic year, the changes reflected in this addendum is effective immediately. Please use information contained here as the most accurate and up-to-date catalog information regarding courses and programs.

Revised Board of Trustees (updated in pg. 7)

Name	Office
Jorge Lopez	President
Cara Looper	Vice President
John Benson	Secretary
Christopher Bjorstad	Academic Representative

Revised Admissions Policy (updated in Admission Information section, pg. 10-15)

Prior Learning Assessment

Jala University will award up to 12 credits for prior learning via the College Level Examination Program (CLEP). CLEP is designed to recognize the college-level knowledge students may have acquired outside the Jala University classroom environment. Credits that are awarded are applied solely towards fulfilling General Education requirements and are not applicable to major academic core or lab courses. This policy ensures that we support our students by allowing up to 12 CLEP General Education credits, based on evaluation criteria, but maintain the rigor of the academic program by ensuring our graduates have directly engaged with and mastered the core competencies of their chosen field of study through direct instruction.

Foreign Transcript Evaluation

Transcripts from institutions located outside the United States or LATAM must be submitted to an approved NACES evaluation company for an external credential evaluation. An International Transcript Evaluation company must analyze an individual’s academic record to determine equivalency of their foreign credentials, credits, grades, and GPAs. If any required documentation cannot be submitted due to valid reasons, applicants will be granted a three-month deadline to provide it. In exceptional cases, an extension may be considered upon submission of a formal justification and commitment letter to the admissions department.

Dismissal Policy & Reapplication Restrictions

Grounds for Dismissal

A student may be dismissed from the scholarship program due to:

1. **Low Academic or Performance Standards:**
 - Failure to meet the required academic performance criteria.
 - Repeated poor evaluations despite academic support.
2. **Serious Misconduct, Including but Not Limited to:**
 - **Violations of FERPA (Family Educational Rights and Privacy Act):** Unauthorized access, disclosure, or misuse of student records and sensitive information.
 - **Sexual Harassment or Discrimination:** Any proven case of harassment, discrimination, or misconduct violating institutional policies.
 - **Behavioral Misconduct:** Disruptive behavior, threats, violence, or repeated violations of the institution's code of conduct.
 - **Academic Integrity Violations:** Plagiarism, cheating, or falsification of academic records.

Restrictions on Reapplying After Dismissal

1. **Dismissal Due to Low Performance:**
 - **Waiting Period:** A **minimum of 12 months** is required before reapplying.
 - **Academic Improvement Requirement:** The student must demonstrate improvement through:
 - Completion of relevant courses or training programs.
 - Work experience in the field of study.
 - **Reapplication Conditions:**
 - **First Dismissal:** Eligible to reapply under a **conditional probationary period** if accepted again.
 - **Second Dismissal: Permanently ineligible** for future scholarship applications but may apply as a self-funded student.
 - **Appeal & Review:** The admissions committee will assess the reapplication based on academic progress, motivation, and readiness to succeed.
2. **Dismissal Due to Serious Misconduct (FERPA Violations, Sexual Harassment, Behavioral Issues):**
 - **Permanent Disqualification:** Students dismissed due to violations of FERPA, sexual harassment, or misconduct causing harm to others are permanently ineligible for future scholarship or admission.
 - **No Appeal Process:** Cases of serious misconduct leading to dismissal will not be reconsidered for reapplication.

Revised Cancellation and Refund Policies (updated in pg. 17)

Cancellation Procedures: Students have a right to cancel their Enrollment Agreement. Students wishing to cancel the Enrollment Agreement must do so by providing written notice of cancellation to the University by mail or e-mail.

Non-Acceptance Cancellation: If for any reason an applicant is not accepted by the University, the applicant is entitled to a refund of all monies paid (if any).

Five-Day Cancellation: An applicant who provides written notice of cancellation within five (5) business days of signing an Enrollment Agreement is entitled to a refund of all monies paid (if any). The University shall provide the One Hundred Percent (100.00%) refund no later than 30 days after receiving the notice of cancellation. The student's scholarship, if already awarded to the student, will be cancelled upon the University's receipt of the student's written notice of cancellation.

Other Cancellations: An applicant requesting cancellation more than five (5) business days after signing an Enrollment Agreement but prior to beginning classes at the University will not receive a refund of their Application Fee or Registration Fee identified in the Tuition Disclosure above. However, so long as the student returns any books and/or supplies provided to them by the University, the University will cancel the student’s scholarship, and it will not be converted to a repayable loan. Failure to return any books or supplies may result in a portion of that estimated cost not being refundable as well.

Refund After the Commencement of Classes

1. Procedure for withdrawal/withdrawal date:
 - a. A student choosing to withdraw from the University after the commencement of classes is to provide written notice to the Director of Student Services of the University at: StudentSupportCenter@jala.university The notice is to indicate the expected last date of attendance and be signed and dated by the student.
 - b. For a student who is on an authorized Leave of Absence, the withdrawal date is the date the student was scheduled to return from the Leave of Absence and failed to do so.
 - c. A student will be determined to be withdrawn from the University if the student has not attended any class for 30 days.
 - d. All refunds will be issued within 30 days of the withdrawal date.

2. Repayment of Scholarship.
 - a. The schedule for repayment of the student’s scholarship if the student withdraws from the University after the commencement of classes is outlined in the student’s Scholarship Agreement.
 - b. The University is committed to using collection procedures that are sound and ethical.
 - c. The student will be required to return all books and supplies provided by the University within 30 days of the withdrawal date.

Prerequisites Table Revision (updated in pg. 19-20)

The below prerequisites were not printed correctly in the 2025-2026 published catalog. The below prerequisites are the accurate ones.

Term	Code	Course	Pre requisites
Term 4	CSPR-244	Programming 4	CSPR-231 CSSD-232 CSDB-125 (optional)
	CSNT-245	Computer Networks 2	CSNT-232 CSPR-231
	CSDV-246	Development & Operations	CSSD-232 CSPR-244 CSDB-112
Term 5	CSPR-351	Programming 5	CSPR-244 CSDB-125 CSSD-245 CSAL-244
	CSAR-351	Software Architecture 1	CSSD-245

	CSDS-352	Introduction to Data Science and Machine Learning	MATH-113 MATH-124 CSAL-244
	CSAI-353	Deep Learning/Generative AI	MATH-124 CSDS-352
Term 6	CSPR-364	Programming 6	CSPR-351 CSDB-125 CSSD-245
	CSWB-366	Web Development	CSPR-351 CSSD-352
	CSPR-366	Programming Languages	CSPR-351 CSWB-366
	CSSA-366	Systems Administration	CSDV-246 CSOS-124
Term 7	CSPR-471	Programming 7	CSPR-364 CSSD-365
	CSWB-473	Mobile Application Development	CSWB-366
	CSRP-486	Software Projects & Startups	CSSD-365 CSAR-486

Camera Usage Policy (new in Student Policies section, pg. 39-46)

To foster an interactive online learning environment, students are expected to keep their cameras on during synchronous classes held via Microsoft Teams and Meetpoint. This includes lectures, lab sessions, group discussions, and presentations.

Policy Guidelines:

- **Camera Use Required:** Cameras must remain on unless otherwise directed.
- **Respectful Presence:** Students should use virtual backgrounds if necessary to minimize distractions.
- **Participation & Attendance:** Instructors may factor visual presence into attendance/engagement.
- **Presentations:** Cameras must be on for group work and presentations unless otherwise approved.
- **Professionalism:** Students must dress appropriately and maintain respectful online conduct.
- **Enforcement:** Faculty may remove students from class for noncompliance, per university classroom policy.

**Exceptions to Camera Use May Include:*

- Bandwidth/connectivity issues
- Privacy/environmental concerns
- Medical or personal reasons

*Students seeking accommodations must notify their instructor and contact Student Services at least two weeks before the start of a module.

Class Recording Policy

At Jala University, we believe that active participation in live (synchronous) classes is essential to student learning and success. These sessions are not simply lectures — they are opportunities for real-time engagement, interaction with faculty and peers, and collaborative learning experiences that cannot be replicated through recordings alone.

To encourage active participation and mirror the expectations of an in-person learning environment, class recordings will no longer be available by default. Attending synchronous classes is expected, just as students would be expected to attend scheduled classes on a physical campus.

The availability and use of synchronous class recordings are at the sole discretion of the instructor. Recordings may be shared to support academic purposes such as content review or to accommodate excused absences. However, access is not guaranteed. Students must submit requests through Student Services using the Attendance Change Form. Requests will be evaluated on a case-by-case basis. Approved students will be granted access for 72 hours.

Acceptable reasons for requesting class recordings include:

- Serious illness, injury, hospitalization, or pregnancy
- Death of an immediate family member
- Jury duty or government obligations
- Legal citation/court appearance
- Internet connectivity interruptions
- Extreme personal emergencies
- Force Majeure events
- Religious observance- Authorized University Activities

Note: Religious observance and university activities are exceptions to the standard three-day advance notification requirement.

Unauthorized sharing, distribution, or reproduction of class recordings is strictly prohibited.

Catalog Course Description Revision (2025-2026 Catalog Error) (updated in pg. 51-66)

The below course descriptions were not printed correctly in the 2025-2026 published catalog. The below descriptions are the accurate course descriptions.

Course Name:	History of Software Engineering		Category:	General Education	
Code:	HIST-111	Pre-Requisites:	None	Credit hours:	2
Description:	This course delves into the rich history of software engineering, tracing its development from early programming languages and foundational theories to modern trends in commercial software systems. Students will explore the historical context, technological innovations, and influential figures that have shaped the evolution of				

software engineering. Emphasis is placed on the intersection of scientific discovery and human values, fostering a broader understanding of how software engineering both influences and is influenced by the world around it.

Course Name:	Statistics			Category:	General Education
Code:	MATH-233	Pre-Requisites:	MATH-113	Credit hours:	3
Description:	<p>This course introduces students to the fundamental principles of statistics, a mathematical science that plays a vital role in analyzing natural and social phenomena. Emphasizing empirical reasoning and quantitative analysis, students will learn how to collect, organize, interpret, and present data to make evidence-based decisions and informed predictions. With applications across physical sciences and through hands-on problem-solving and data-driven inquiry, students will develop the ability to model relationships between variables, assess uncertainty, and critically evaluate statistical claims.</p>				

Course Name:	Programming 4			Category:	Core Lab
Code:	CSPR-244	Pre-Requisites:	CSPR-231 CSSD-232 CSDB-125 (optional)	Credit hours:	3
Description:	<p>This course focuses on introducing the students to functional programming using a new language: JavaScript. The course will start from the basics and will deep dive into the core concepts like immutability, recursion, and lazy evaluation. Through practical exercises and examples, students will gain a solid understanding of how to write clean and efficient code using this new paradigm. At the end of this course, students will be equipped with the skills to apply functional programming effectively in their own projects.</p>				

Course Name:	Computer Networks 2			Category:	Core Lab
Code:	CSNT-245	Pre-Requisites:	CSNT-232 CSPR-231	Credit hours:	2
Description:	<p>This course enhances the comprehension of computer networks by delving into their application within software development. Students will acquire insights into network management, security, data serialization, communication across networks, advanced configurations, and an overview of cloud technology. Additionally, the course covers network programming, including hands-on experience in developing small client/server programs to facilitate understanding. The emphasis is on integrating network communication seamlessly into existing programs.</p>				

Course Name:	Software Development 4			Category:	Core Lab
Code:	CSSD-245	Pre-Requisites:	CSPR-244 CSSD-232	Credit hours:	3
Description:	<p>The course focuses on agile methodologies and SDLC principles, featuring a hands-on web-based capstone project where students sharpen their skills with best practices and assume different roles in a development team. They refine People and Process Best Practices and delve into front-end development and advanced back-end APIs for Web Applications. Students are urged to lead technically, make decisions, and handle various technical roles. Additionally, the course introduces deployment strategies, along with prebuilt software solutions to streamline development.</p>				

Course Name:	Development & Operations			Category:	Core Lab
Code:	CSDV-246	Pre-Requisites:	CSSD-232 CSPR-244 CSDB-112	Credit hours:	2
Description:	<p>This DevOps course provides an in-depth understanding of essential principles, practices, and tools for modern software development and operations and it centers on a hands-on project inherited from SD4. Starting with basic DevOps concepts and emphasizing a collaborative culture and Agile methodologies. Additionally, this course covers technologies for provisioning, containerization, CI/CD workflows. By the end of this course, students will be proficient in DevOps processes, enhancing software quality, accelerating delivery cycles, and improving operational efficiency.</p>				

Course Name:	Programming 5			Category:	Major Lab
Code:	CSPR-351	Pre-Requisites:	CSPR-244 CSDB-125 CSSD-245 CSAL-244	Credit hours:	3
Description:	<p>In this course, students will explore the complexity of developing a Single Page Application (SPA) with both a Backend (BE) and a Frontend (FE) component, utilizing the reviewed paradigms from previous courses.</p> <p>A foundational understanding of User Interface (UI) web development, including its integration with Application Programming Interfaces (APIs), will be essential from the ground up. Additionally, students will grasp the simultaneous workflow involved in Backend and Frontend development.</p> <p>Students will embark on a journey to master the intricacies of creating SPAs, where they will delve into the fundamental principles of UI development and its seamless integration with Application Programming Interfaces (APIs). Emphasis will be placed on understanding the concurrent workflow involved in Backend and Frontend</p>				

	<p>development processes.</p> <p>For the Frontend implementation, TypeScript will serve as the primary language. Consequently, students must first familiarize themselves with TypeScript fundamentals, along with associated tools such as TS Tools, Transpilers, Linters, and Prettiers. Once proficient in TypeScript, the course will progress to an exploration of Web Frameworks using TypeScript/JavaScript.</p> <p>Backend development will leverage Node.js. Therefore, a refresher on this JavaScript runtime environment will be provided, alongside an introduction to frameworks like Express for exposing REST APIs.</p> <p>By the course's end, students will have the skills and knowledge necessary to understand and implement SPAs, equipped with both Backend and Frontend functionalities, aligned with contemporary industry practices.</p>
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Course Name:	Software Architecture 1			Category:	Major Lab
Code:	CSAR-351	Pre-Requisites:	CSSD-245	Credit hours:	2
Description:	<p>This course delves into the essential principles and practices of modern software architecture, equipping students with a solid understanding of the key factors driving architectural decisions. It provides the skills and practical insights necessary for effectively designing, communicating, and delivering architectures that address critical quality attributes in real-world projects. The course also offers a comprehensive exploration of architectural styles and patterns, demonstrating how they provide proven solutions to common design challenges, along with techniques and tools for trade-off analysis and risk management.</p> <p>Students will apply their acquired knowledge through hands-on activities such as Architectural Katas, where small groups collaboratively tackle architectural challenges, and a capstone project, where they will individually design, document, and present a comprehensive software architecture. These activities focus on evaluating trade-offs, refining requirements, and designing key components to meet both functional and non-functional needs.</p> <p>By the end of the course, students will have developed a strong architectural mindset, enabling them to create effective, well-documented solutions in any software development context.</p>				

Course Name:	Algorithmics 2			Category:	Core Lab
Code:	CSAL-351	Pre-Requisites:	CSAL-244	Credit hours:	2
Description:	<p>This course extends the knowledge learned in Algorithmics I, focusing on recursion, advanced search algorithms, dynamic programming and advanced data structures like AVL, RBT, graphs, and algorithms using said data structures. Students will have the</p>				

skills to analyze problems and identify the best data structure or algorithm to implement efficient solutions. Practical exercises, algorithm problems, and real-world applications are integrated throughout the course to reinforce theoretical concepts.

Course Name:	Introduction to Data Science and Machine Learning			Category:	Major Lab
Code:	CSDS-352	Pre-Requisites:	MATH-113 MATH-124 CSAL-244	Credit hours:	2
Description:	<p>In this course, you will explore the fundamentals of data science and machine learning, developing skills essential for analyzing and interpreting complex data sets. You'll learn to use Python for data manipulation, visualization, and implementing machine learning algorithms. The course covers both supervised and unsupervised learning techniques, including regression, classification, and clustering. You'll also gain hands-on experience with model evaluation and validation. Through practical sessions and capstone projects, you'll apply these concepts to real-world problems, enhancing your problem-solving abilities and preparing you for data-driven decision making in various industries.</p>				

Course Name:	Software Development 5			Category:	Major Lab
Code:	CSSD-352	Pre-Requisites:	CSPR-351 CSSD-245	Credit hours:	3
Description:	<p>The course focuses on modern software engineering and centers on a hands-on project where students collaborate on implementing a backpressure application using the CQRS pattern. Students will adhere to the best practices of modern Software Development Life Cycle (SDLC) principles under an agile model. Through hands-on practice, they engage in a web-based capstone project, building a Single Page Application (SPA) within a chosen framework, developing a backend API using functional programming, and selecting the most suitable database technology. Additionally, they will choose the right architectural and design patterns for each system component. They will be introduced to system integration using events following Event-Driven Architecture, where they will encounter challenges such as eventual consistency and real-time communication. Students will assume different development roles and will be empowered to follow the best development practices and deployment techniques.</p>				

Course Name:	Internet of Things			Category:	Major Lab
Code:	CSIO-353	Pre-Requisites:		Credit hours:	2
Description:	<p>Data-processing application run not only on classic computers operated by end users (consisting of a screen, keyboard, and mouse), but also on a series of new devices ranging from smartphones to watches, remote controls, smart cars, etc. This interaction must be taken into account before coding software or building hardware.</p>				

In this context, this course aims to enable the student to learn important concepts about the Internet of Things, covering everything from hardware to software used, as well as considering aspects of information security and future trends.

Course Name:	Deep Learning/Generative AI		Category:	Major Lab	
Code:	CSAI-353	Pre-Requisites:	MATH-124 CSDS-352	Credit hours:	2
Description:	<p>This course explores advanced deep learning architectures and generative AI models. Students will learn about convolutional neural networks for computer vision, recurrent neural networks for sequential data, and transformer architectures for natural language processing. The course covers modern generative AI techniques, including GANs, VAEs, and diffusion models. Through hands-on exercises and a capstone project, students will gain practical experience implementing these models using PyTorch and working with pre-trained models. The course emphasizes both theoretical understanding and practical applications of deep learning and generative AI.</p>				

Course Name:	Programming 6		Category:	Major Lab	
Code:	CSPR-364	Pre-Requisites:	CSPR-351 CSDB-125 CSSD-245	Credit hours:	3
Description:	<p>In this course, students will focus on building scalable, high-performance software solutions by blending advanced technologies and paradigms for front and backend development. Expanding on the foundational knowledge from Programming 5, students will explore a mix of Object-Oriented Programming (OOP) and Functional Programming (FP) to create adaptable, scalable, and robust applications. The course emphasizes software design, code quality, and refactoring as important steps in building solutions that can easily handle growth and complexity.</p>				

Course Name:	Software Architecture 2		Category:	Major Lab	
Code:	CSAR-364	Pre-Requisites:	CSAR-351	Credit hours:	2
Description:	<p>This course covers best practices and the comprehensive design process for software architecture. Key topics include coupling, modularity, decomposition, and essential design principles. The course also addresses critical aspects of system performance, such as vertical and horizontal scalability, resiliency, and fault tolerance. Additionally, students will explore introductions to business analysis and domain-driven design (DDD).</p> <p>Throughout the course, students will engage with real-world scenarios and complete an individual capstone project to apply their knowledge and skills.</p> <p>This course is part of a 4-part series on Software Architecture, providing a robust foundation and advanced understanding of the field.</p>				

Course Name:	User Interface & User Experience Design			Category:	Major Lab
Code:	CSUX-364	Pre-Requisites:	None	Credit hours:	2
Description:	<p>The ultimate purpose of a computing system is to be used effectively, ensuring users find it intuitive and can boost their performance when interacting with the system. This course introduces developers to essential concepts and techniques to improve the quality of Human-Computer Interaction (HCI) by adopting a design-centric approach to user experience (UX) and user interface (UI) design.</p> <p>Participants will learn to apply UX/UI principles through practical, skill-based instruction focused on visual communication. The course covers all stages of the UX/UI development process, including user research, information architecture, wireframing, prototyping, visual design, accessibility, and usability testing. Developers will gain the skills to create effective and compelling screen-based experiences for websites and apps, enhancing their ability to design technologies that bring users joy rather than frustration.</p>				

Course Name:	Software Development 6			Category:	Major Lab
Code:	CSSD-365	Pre-Requisites:	CSPR-364, CSSD-352	Credit hours:	3
Description:	<p>This course explores modern software engineering through a hands-on, collaborative project in which students design and implement a full architectural solution for migrating a legacy application. Building on concepts from previous coursework SAGA, students will apply industry-standard Software Development Life Cycle (SDLC) principles within an agile framework, emphasizing best practices in real-world development.</p>				

Course Name:	Web Development			Category:	Major Lab
Code:	CSWB-366	Pre-Requisites:	CSPR-351 CSSD-352	Credit hours:	2
Description:	<p>This course provides a comprehensive introduction to web development, equipping students with the knowledge and skills to build modern, responsive, and scalable web applications. Students will explore the evolution of the web, web standards, and best practices, alongside gaining hands-on experience with essential development tools such as IDEs, debuggers, and browser utilities.</p> <p>The curriculum covers foundational concepts in frontend development, including HTML, CSS, and JavaScript/TypeScript, along with advanced topics like preprocessors, bundlers, and optimization techniques. Students will also learn modern web trends, and the use of libraries like React and frameworks as Next.js to create Single Page Applications (SPAs), Server-Side Rendered (SSR) applications, and Progressive Web Applications (PWAs).</p>				

	<p>Emphasis will be placed on understanding UI/UX principles, web security, and leveraging modern tools like Figma for mockups and design. Students will gain experience with Web APIs, WebAssembly, and micro frontends, ensuring a strong grasp of cutting-edge technologies. The course culminates in a capstone project, enabling students to integrate their learning and publish web apps on platforms like Netlify and Vercel.</p> <p>By the end of this course, students will have the skills and confidence to design, implement, and deploy web applications that are adaptable, secure, and efficient, ensuring they are well-prepared for the demands of modern web development.</p>
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Course Name:	Programming Languages		Category:	Major	
Code:	CSPR-366	Pre-Requisites:	CSPR-351 CSWB-366	Credit hours:	2
Description:	<p>This course provides an in-depth exploration of systems programming through the lens of various programming languages. Topics include instruction sets, processor architectures, assembly languages, programming paradigms, compilers, WebAssembly, interoperability, and build tools. Students will develop a strong conceptual foundation and apply their knowledge to real-world scenarios through hands-on projects and assignments, reinforcing both theoretical and practical skills.</p>				

Course Name:	Systems Administration		Category:	Core Lab	
Code:	CSSA-366	Pre-Requisites:	CSDV-246 CSOS-124	Credit hours:	2
Description:	<p>This course provides an in-depth exploration of modern system administration, focusing on managing both on-premises and cloud-based infrastructure across Infrastructure-as-a-Service (IaaS) and Platform-as-a-Service (PaaS) models. Building on foundational knowledge of operating systems, networking, and virtualization, students will develop the skills required to deploy, manage, and optimize cloud-based solutions effectively.</p> <p>Key topics include cloud architecture, access management, automation through scripting and configuration management tools (e.g., Ansible, SaltStack), and the use of Infrastructure-as-Code (IaC) frameworks like Terraform. Students will also explore strategies for monitoring, logging, scaling, and cost management to ensure resilient and efficient cloud-based solutions.</p> <p>The course integrates cloud best practices from major providers—Azure, AWS, and Google Cloud—aligning with the Well-Architected Framework pillars: Reliability, Security, Performance Efficiency, Cost Optimization, and Operational Excellence.</p> <p>Hands-on projects are a key component of the course, with students engaging in real-</p>				

	<p>world scenarios to deploy automated solutions, implement modern security models (such as Zero Trust), and manage cloud and on-premises infrastructure.</p> <p>An individual capstone project will allow students to demonstrate their mastery by designing and implementing scalable, resilient, and cost-effective cloud solutions.</p>
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Course Name:	Programming 7		Category:	Major Lab	
Code:	CSPR-471	Pre-Requisites:	CSPR-364 CSSD-365	Credit hours:	3
Description:	<p>This course provides an in-depth exploration of asynchronous programming, concurrency, and parallelism, all essential for modern software development. Students will learn the principles and practices of writing efficient, concurrent, and parallel code using specific programming languages and frameworks.</p> <p>The course will equip students with comprehensive knowledge and skills in async programming patterns, particularly in JavaScript, TypeScript, and C#. Key subjects include Threading and Multi-threading, Synchronization Mechanisms, Asynchronous Programming Fundamentals, Async/Await, Multi-Core and Multi-Processor Systems, and Parallel Programming.</p> <p>Throughout the course, students will engage with real-world scenarios and complete an individual capstone project, allowing them to apply their knowledge and skills in practical settings. This course is part of a 7-part series on Programming, providing a robust foundation and advanced understanding of the field.</p> <p>The course will cover the following areas:</p> <ul style="list-style-type: none"> • Processors, Cores, Tasks, and Threads • Multi-Processing and Multithreading • Concurrency and Parallelism • Asynchronous Programming • Non-Blocking I/O • Applications of asynchronous programming Frontend (FE) and Backend (BE) Development scenarios. 				

Course Name:	Software Architecture 3		Category:	Major Lab	
Code:	CSAR-484	Pre-Requisites:	CSAR-364	Credit hours:	2
Description:	<p>This course delves into system integration and enterprise architecture, focusing on essential topics such as microservices, back pressure, and using APIs (GRPC, REST, GraphQL) for system integration. Students will also learn about using queues for system integration, ensuring interoperability, and integrating legacy systems. Additionally, the course covers system migration strategies, equipping students to handle complex architecture and integration challenges in various IT environments.</p>				

	<p>Throughout the course, students will engage with real-world scenarios and complete an individual capstone project to apply their knowledge and skills.</p> <p>This course is part of a 4-part series on Software Architecture, providing a robust foundation and advanced understanding of the field.</p>
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Course Name:	Software Architecture 4		Category:	Major Lab	
Code:	CSAR-486	Pre-Requisites:		Credit hours:	2
Description:	<p>This course offers a comprehensive introduction to cloud computing and its pivotal role in modern software architecture. Students will learn the design and development of cloud-native applications and gain an understanding of distributed systems principles. Key topics include the 12-Factor App methodology, which outlines best practices for building scalable and maintainable applications. The course provides an in-depth exploration of various service models, including SaaS, IaaS, PaaS, and BaaS. Additionally, students will delve into emerging trends in software architecture, such as event-driven architectures, time-series databases (TSDBs), and edge and fog computing. Throughout the course, students will engage with real-world scenarios and complete an individual capstone project to apply their knowledge and skills. This course is part of a 4-part series on Software Architecture, offering a robust foundation and advanced understanding of the field.</p>				

Course Name:	Mobile Application Development		Category:	Major	
Code:	CSWB-473	Pre-Requisites:	CSWB-366	Credit hours:	2
Description:	<p>This course introduces students to the fundamentals of mobile application development using Android and Kotlin. Starting with the basics, students will learn how to design, organize, and build Android apps from scratch. The course covers essential concepts such as data storage, networking, and the design and architectural patterns necessary to create scalable and maintainable applications.</p>				

Course Name:	Software Projects & Startups		Category:	Major Lab	
Code:	CSRP-486	Pre-Requisites:	CSSD-365 CSAR-486	Credit hours:	2
Description:	<p>This course provides an in-depth exploration of software project management and startup development, essential for a successful career in software development. Students will learn principles and best practices for managing software projects and building startups, covering key subjects like as Solution Design and Architecture, Project Management, Planning, Scheduling, Budgeting, Agile Methodologies, Lean Principles, Fast Prototyping, Risk Management, Quality Assurance, Startup Funding, Technical Decision Making, Continuous Improvement, and Scaling Strategies.</p> <p>Engaging with real-world scenarios, students will gain practical insights and hands-on</p>				

experience. The course equips students with the skills needed to navigate software project management and the startup environment. Emphasis is placed on risk management, quality assurance, and effective project timelines and budgets. The course includes an individual capstone project, allowing students to apply their knowledge in practical settings.

Jala University Adjunct-Part Time Faculty (included in Faculty and Staff section pg. 79-81)

Track	Role	Name
POR	Faculty Practitioner	André Luiz Braga
POR	Faculty Practitioner	Geraldo Cesar Cantelli
POR	Faculty Practitioner	Otaviano Silvério De Sousa
POR	Professor Extended	Melina Silva de Lima
POR	Professor Extended	Simone Freitas de Araújo
POR	Professor	Elayne Ferreira de Souza
POR	Lead Faculty Practitioner	Jimmy Freddy Vargas Fernandez
POR	Faculty Practitioner	Antonio Rojas Ferrufino
POR	Faculty Practitioner	Julieta Escalera Gutierrez
POR	Professor Extended	Samuel Mendes Sanches Junior
POR	Professor Extended	Layane Campos Soares
POR	Lead Faculty Practitioner	Caroline Ferreira Brizon Bezerra
POR	Professor	Marcos Francisco da Silva
POR	Lead Faculty Practitioner	Martin Kenneth Michalsky Antezana
POR	Faculty Practitioner	Jair Abu Bechir Lascar Alarcon
POR	Faculty Practitioner	Filipe Ceccon de Alencar
POR	Professor	Stenio Pereira Viveiros
POR	Lead Faculty Practitioner	Rubiana Perucci Mendonça
POR	Faculty Practitioner	Adriel Gimenes de Amorim
POR	Faculty Practitioner	Juan David Gutierrez Choque
POR	Professor	Santiago Felipe Luna Romero
POR	Faculty Practitioner	Santiago Felipe Luna Romero
POR	Lead Faculty Practitioner	Silvio Cesar Viegas
POR	Faculty Practitioner	Douglas Paula de Andrade
SPA	Professor Extended	Luz Angela Florez Olarte
SPA	Professor	Fernando Lopez Trujillo
SPA	Lead Faculty Practitioner	Ingrid Cardenas Torrez
SPA	Faculty Practitioner	Karem Huacota Saavedra
SPA	Faculty Practitioner	Fernando Hinojosa Sanchez

SPA	Lead Faculty Practitioner	Jessica Melisa Peña Flores
SPA	Faculty Practitioner	Dayne Lorena Guerra Calle
SPA	Faculty Practitioner	Jose Carlos Guevara Romero
SPA	Faculty Practitioner	Richard Gutierrez Condori
SPA	Professor	Juan Carlos González Ibarra
SPA	Lead Faculty Practitioner	Alejandra Montaña Rodrigo
SPA	Faculty Practitioner	Ivan Mamani Condori
SPA	Professor Extended	Luz Angela Florez Olarte
SPA	Professor Extended	Rafael Pastor Martínez Vargas
SPA	Professor Extended	Andrea Salomé Morales Galárraga
SPA	Professor Extended	Zoila de Lourdes Calderón Garrido
SPA	Professor	Patricia Elisabeth Garcés Marquina
SPA	Lead Faculty Practitioner	Shirley Soto Vasquez
SPA	Lead Faculty Practitioner	Ana Miriham Salinas Vallejos
SPA	Faculty Practitioner	Milenca Ventura Canaviri
SPA	Faculty Practitioner	Claudia Torrico Catorceno
SPA	Professor Extended	Wilmar Arley Alzate Berrio
SPA	Lead Faculty Practitioner	Claudia Cecilia Perez Rioja
SPA	Professor Extended	María Virginia Hael
SPA	Professor	Richard Felix Lopez Fulguera
SPA	Lead Faculty Practitioner	Caleb Espinoza Gutierrez
SPA	Faculty Practitioner	Huancar Vargas Campos
SPA	Professor	Mauricio Giovanni Viscarra Rivera
SPA	Lead Faculty Practitioner	Edson Cristian Guerra Callisaya
SPA	Faculty Practitioner	Yesica Adriana Acha Torrico
SPA	Faculty Practitioner	Juan David Gutierrez Choque
SPA	Faculty Practitioner	Alvaro Alejandro Olivera Paravicini
SPA	Professor	Santiago Komadina Geffroy
SPA	Faculty Practitioner	Alexandra La Cruz Puente
SPA	Faculty Practitioner	Martin Sebastian Arispe Riveros
SPA	Lead Faculty Practitioner	Alvaro Rodrigo Centellas Quevedo
SPA	Faculty Practitioner	Ronald Torrico Ovando
SPA	Professor	Oswaldo Andrés Ordóñez Bolaños
SPA	Faculty Practitioner	Jhojan Adrian Ochoa Robelto
SPA	Faculty Practitioner	Mateo Menvielle

Effective Date

The information contained in this addendum complements or replaces information found in the 2025-2026 University Student Catalog. The following changes reflect current information about Jala University and are effective April 25, 2025, unless otherwise noted.