Online Training Degree

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Bachelor of Science in

Information Technology (IT) and Christian Ethics

INITIATORS
CHRISTIAN UNIVERSITY

In Association with

About the Degree

Our online Bachelor of Science in Information Technology program offers a blend of technical and ethical knowledge. Learn the fundamentals of web development, explore database management with leading technologies, and master the art of API design. Develop skills in version control, agile methodologies, and cloud computing.

Our program culminates in a comprehensive capstone project, ensuring practical application and presentation of your newfound IT skills. Join us to transform your passion into a rewarding IT career.

Watch Video
techclass.link/V2013

Step into the Future of IT and Shape Your Career with Us

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Tracks and Modules

Track 1

Module 1.1
Introduction to Information Technology

Module 1.2
Basics of Web Development

Module 1.3
Christian Ethics in the Digital Age

Track 2

Module 2.1
Programming Refresher

Module 2.2
Microsoft SQL Server

Module 2.3
MongoDB

Track 3

Module 3.1
Fundamentals of RESTful API Design

Module 3.2
Version Control with Git

Module 3.3
Scrum and Agile Methodologies

Track 4

Module 4.1
Fundamentals of Cloud Computing

Module 4.2
Capstone Project: Preparation and Implementation

Module 4.3
Capstone Project: Documentation and Presentation

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Introduction to Information Technology

Our 'Introduction to Information Technology' training is a beacon for those eager to navigate the IT seas. From the bedrock of IT definitions to the societal pillars it supports, this training is a treasure trove of knowledge. Delve into the anatomy of computer systems, the nervous system of networking, and the mind of software development. Understand the shield of IT security and the compass of ethical conduct.

Gaze through the telescope at emerging technologies and steer your career with adept project management skills. Chart your course through the IT domain with us, where every chapter is a step towards mastery.

Video

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Main Training Areas

→ Foundations of Generative Intelligence

→ Neural Networks and Model Mastery

→ Creative Frontiers in AI Artistry

→ Ethical AI: Society and Responsibility

→ AI-Driven Innovation in Industry

→ Future Trends in AI Evolution

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Basics of Web Development

Discover the exciting world of web development with this comprehensive training, covering the basics of HTML, CSS, and JavaScript. Develop a firm foundation in these fundamental languages and learn how they work together to create captivating websites. Enhance your skills with practical projects, including designing a personal web page that showcases your web development expertise.

In addition, venture into advanced topics in CSS and JavaScript, and gain insights into how to create more intricate and engaging web applications.

Video

Brochure

Industry Projects | amazon

Main Training Areas

→ HTML Essentials and Techniques

→ Exploring HTML Components

→ CSS Styling and Design

→ Gaining Proficiency in JavaScript Essentials

→ Advanced Web Development Concepts

→ Building Personal Web Pages

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Module 1.3 **Christian Ethics in the Digital Age**

Explore the intersection of faith and the digital world in our comprehensive online training on Christian Ethics in the Digital Age. This training provides an in-depth look at how the digital revolution has transformed society, and where Christian ethics fit into this new landscape. Delve into topics like digital citizenship, data security, and the role of the church in a digital society. Understand the ethical challenges posed by emerging technologies and how to navigate them with a Christian perspective.

This training is a valuable resource for anyone looking to understand and apply Christian ethics in the ever-evolving digital world.

Video

Brochure

Main Training Areas

➡ Digital Revolution and Christian Response

➡ Ethics of Online Privacy and Security

➡ Christianity's Role in Digital Society

➡ Navigating Digital Citizenship with Faith

➡ Emerging Technologies: Ethical Perspectives

➡ Building Ethical Digital Communities

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Programming Refresher

Discover the fascinating world of computer programming with our "Programming Refresher" training. Designed to build a strong foundation, it covers essential concepts such as key elements of programming, pseudo-codes, and flow charts. Learn about the differences between low-level and high-level programming languages. Develop proficiency in variables, data types, conditional statements, loops, and functions. Understand the significance of classes, and objects.

Gain insights into algorithm time complexity, version control, and practical applications of Git commands. Enhance your programming expertise with this comprehensive training.

Video

Brochure

Industry Projects | **SAMSUNG**

Main Training Areas

➡ Foundations of Programming Basics

➡ Key Programming Elements

➡ Exploring Data Structures

➡ Exploring OOP Essentials

➡ Managing Code with Version Control

➡ Algorithm Complexity and Optimization

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Microsoft SQL Server

Discover the fascinating world of data management with our in-depth Microsoft SQL Server online training. Start with the basics of databases, data types, and relational databases before delving into SQL, its characteristics, and wide-ranging use cases. Grasp the concepts of ER diagrams. Our training provides practical, hands-on experience with SQL Server installation, table and database creation, and data management.

You'll learn advanced techniques such as table joins, filtering, sorting, and the creation of views, indexes, and functions. Equip yourself with the knowledge to manage user roles and permissions with confidence.

Video

Brochure

Industry Projects | NEWS MIND

Main Training Areas

→ Relational Databases Basics

→ Database Design & Management

→ Using Subqueries to Retrieve Data

→ Combining Data from Multiple Tables

→ Advanced Data Manipulation

→ Exploring SQL Query Optimization

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MongoDB

Unlock the power of MongoDB with this dynamic training designed to offer you a solid foundation in databases, including relational and non-relational types. Learn about the pros and cons of each type and delve into MongoDB, its shell, and the popular GUI, Compass. Develop expertise in creating and deleting MongoDB databases and hone your skills in performing CRUD operations on records.

Get hands-on experience with MongoDB operators and learn how to transform a collection into a Pandas DataFrame for efficient data manipulation and analysis.

Video

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Main Training Areas

→ Fundamentals of Relational Databases

→ Exploring Non-Relational Databases

→ Fundamentals of MongoDB

→ Mastering MongoDB CRUD

→ Developing a Foundation in MongoDB Operators

→ Accessing MongoDB with Python

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Fundamentals of RESTful API Design

Dive into the fundamentals of RESTful API design with our thoughtfully crafted online training. Start by learning what an API is and its real-world applications. Become familiar with critical concepts related to APIs, including HTTP, serialization languages, and API paradigms. This solid foundation will prepare you to learn about the different steps in designing REST APIs and apply your skills to a variety of projects.

Furthermore, familiarize yourself with caching types, popular tools, technologies, and ensure the security of your APIs at various levels, from basic to advanced.

Video

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Industry Projects | OPENAPI INITIATIVE

Main Training Areas

➡ Understanding API Basics

➡ Understanding REST API Principles

➡ Exploring REST API Caching

➡ Grasping the Basics of OpenAPI

➡ Uncovering OpenAPI Fundamental Elements

➡ Gaining Knowledge of REST API Security

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Module 3.2

Version Control with Git

Unlock the full potential of Git with our expertly designed online training, tailored to provide you with a thorough understanding of the distributed version control system. Our training will acquaint you with the benefits of version control systems and the distinctions between centralized and distributed version controls.

Acquire the skills to stage and commit changes, compare and revert edits, and manage files in Git. Become adept at creating branches, merging, working with remotes, and handling merge conflicts with confidence and ease.

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Main Training Areas

→ Understanding Git Basics

→ Working with Remote Repositories

→ Branching and Merging Strategies

→ Downloading and Integrating Remote Changes

→ Resolving Conflicts

→ Advanced Git Techniques

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Module 3.3 # Scrum and Agile Methodologies

Transform your project management approach with our Scrum and Agile Methodologies training. Gain insights into the Waterfall Model, Agile principles, and in-depth knowledge of Scrum. Understand the dynamics of the Scrum team and master essential events like Sprint Planning and Daily Scrum. Our training provides practical knowledge on Scrum artifacts, tools, and advanced concepts. Learn to effectively implement Scrum, navigate challenges, and draw inspiration from real-world applications.

This training is your roadmap to becoming an Agile and Scrum expert, ready to tackle projects of any scale.

Video

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Industry Projects | Google

Main Training Areas

→ Agile Methodology Essentials

→ Scrum Roles and Responsibilities

→ Effective Sprint Planning Techniques

→ Mastering Scrum Artifacts

→ Advanced Scrum Implementation Strategies

→ Real-World Scrum Case Studies

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Fundamentals of Cloud Computing

Discover the essentials of cloud computing with our online training, "Fundamentals of Cloud Computing." This program covers the concept, benefits, and career prospects in the realm of cloud computing. Get acquainted with cloud services' costs and compliance, and understand the various service models and architectures. Delve into serverless computing, the application of cloud computing across different fields, and key cloud service providers like Microsoft Azure, AWS, and IBM Cloud.

Understand cloud infrastructures, including networks, storage, and servers, while also gaining insights into cloud security and monitoring.

Video

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Industry Projects | **aws**

Main Training Areas

→ Exploring Cloud Computing Fundamentals

→ Understanding Cloud Service Models

→ Cloud Computing in Diverse Industries

→ Top Cloud Service Providers Uncovered

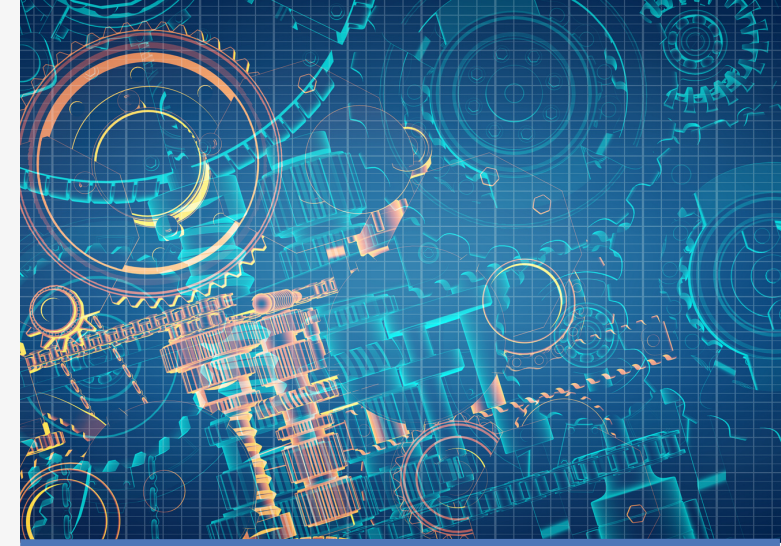→ Demystifying Cloud Infrastructures

→ Navigating Cloud Security

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Capstone Project

The Capstone Project, a cornerstone of this degree program, encompasses four pivotal stages: Preparation, Documentation, Implementation, and Presentation. It serves as an integral platform where students apply their accumulated knowledge in a real-world context. Starting with thorough planning in the Preparation stage, progressing to detailed recording in Documentation, and then moving to the practical execution in Implementation, the project culminates in a comprehensive Presentation.

This endeavor not only reflects the student's academic growth but also primes them for future professional challenges.

Capstone Project Tasks

- Preparation
- Documentation
- Implementation
- Presentation

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Training Audiences

- **Career Changers** seeking to pivot into the dynamic world of Information Technology and acquire skills for a tech-driven future.

- **Fresh Graduates** aiming to supplement their academic knowledge with practical, industry-relevant IT skills to jumpstart their tech careers.

- **IT Professionals** looking to deepen their expertise and stay ahead in the ever-evolving landscape of technology and digital innovation.

- **Enthusiasts** passionate about technology and eager to explore the vast possibilities within the Information Technology sector.

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Your Learning Journey

Maximize Your Potential through TechClass Dynamic Learning

Self-paced Learning
Your Personalized Path to Success

Interactive Video
Engaging Digital Experiences

Expert Insights
Short Lessons, Big Impacts

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Training Support

01 Support Center
Our Support Center is here to help you succeed. Count on us to guide you through any challenges so you can focus on reaching your goals.

02 Discussions
Have questions or need help with training content? Simply start a discussion and get the support you need from your instructors or the community.
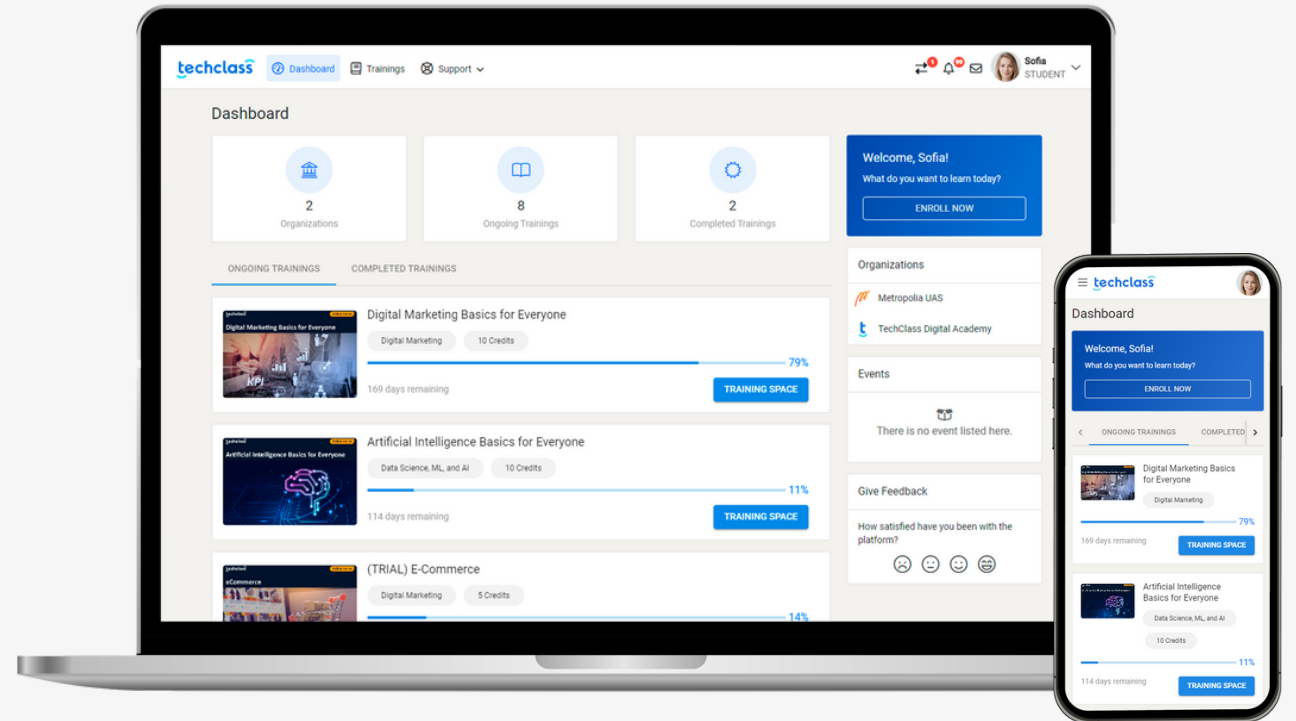
03 Q&A
Get the answers you need and expand your knowledge with our Q&A section. Get insightful responses from your instructors and peers.

04 Peer Review
Become a better learner with the power of peer review. You can submit your tasks and receive thoughtful feedback from your classmates.

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TechClass LMS

Designed to provide a dynamic, intuitive, and engaging learning experience. A learning environment to enjoy.

Personalized Learning

Tailored education that suits your unique needs.

Simple

Ultimate learning solution, easy and intuitive.

Community-first

Collaborative learning with peers and expert instructors.

Anywhere, Anytime

Learn on your terms, from anywhere with internet access.

Read more: techclass.link/lms

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Students Testimonials

Hear from our students that how TechClass transformed their learning experience and helped them achieve their goals.

Elina Sumén
Metropolia UAS

★★★★★

The training are easy to follow and covered a good amount of knowledge. I found the assignments very useful; it was great to use the knowledge in practice right away.

Vladimir Miskovic
Laurea UAS

★★★★★

TechClass is an intuitive, convenient and efficient online platform. It makes online learning easier and faster, especially when it comes to AI and programming.

Anna Kurmaeva
Laurea UAS

★★★★★

The platform is flexibile and allows to do assignments at my own pace. The information is very well structured and leads a student throughout the studies.

Csépke Csilla
Metropolia UAS

★★★★★

The training were awesome. I am studying software development in aiukuisopisto, and I think TechClass courses helped me a lot to get the study place.

Trustpilot EXCELLENT ★★★★★

Google Reviews 5.0 ★★★★★

facebook Reviews ★★★★★

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Training Certificate

Take your career to the next level with TechClass certification, and demonstrate your skills and knowledge to employers, clients, and peers.

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Certificate of Completion

This certificate is awarded to

Julia Smith

for successfully completing the

**Bachelor of Science in
Information Technology and Christian Ethics**

Issue Date: 5 May. 2023
Expiration Date: 5 May. 2025
Certificate ID: dplVbe

Farhad Eftekhari
CEO at TechClass

certificate.techclass.com/dplVbe

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TechClass Digital Academy

Mission

Career growth through accessible and practical education.

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About the Company

At TechClass, we're passionate about fueling your journey to success by being the premier provider of cutting-edge online learning solutions. Our mission is to empower individuals and organizations to unleash their true potential, transforming lives in the process. Harnessing the power of innovative technology, ground-breaking research, and best educational practices, we're dedicated to revolutionizing the learning landscape and fostering a world where education is accessible, inclusive, and equitable for all. Join us on this exciting adventure and equip yourself with the knowledge and skills necessary to thrive in our rapidly evolving, interconnected world.

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Ready to Take Your Skills
to the Next Level?

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Today!

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