

Option 1: Single Optimized PDF (Recommended for Phase 1)

CAMTECH UNIVERSITY OFFICIAL KNOWLEDGE BASE 2025

TABLE OF CONTENTS

1. About CamTech University.....	Page 2
2. Academic Programs.....	Page 5
2.1 Bachelor's Degree Programs.....	Page 5
2.2 Master's & PhD Programs.....	Page 18
2.3 Professional Diploma Programs (PDP).....	Page 20
2.4 Fast-Track Preparatory Programs.....	Page 22
3. Admissions & Application.....	Page 24
4. Campus & Facilities.....	Page 28
5. Research & Innovation.....	Page 30
6. Partnerships & Collaboration.....	Page 32
7. Quick Reference FAQs.....	Page 34
8. Contact Information.....	Page 38

SECTION 1: ABOUT CAMTECH UNIVERSITY

1.1 UNIVERSITY OVERVIEW

NAME: Cambodia University of Technology and Science (CamTech)

FOUNDED: Established 2021 (approved by Royal Government of Cambodia)

TYPE: Private not-for-profit institution

LOCATION: CamTech Street, Chroy Chongvar Satellite City,
Sangkat Prektasek, Khan Chroy Chongvar,
Phnom Penh, Cambodia

CAMPUS SIZE: 5 hectares

MISSION:

Enable young bright students from different backgrounds to be equipped with quality education and practical skills to contribute to Cambodia's development.

1.2 HISTORY & FOUNDING

The idea of CamTech University was initiated by Neak Oknha Dr Pung Kheav Se in 2018 to enable young talents to receive high-quality tertiary education. The university receives support from the Federation of Khmer-Chinese in Cambodia.

The Neak Oknha Pung Kheav Se Foundation provided:

- 5 hectares of land in Chroy Changva Satellite City
- \$3+ million investment in campus infrastructure
- State-of-the-art facilities and learning environment

Official approval granted: March 2021

1.3 FACULTIES

CamTech has 5 faculties:

1. Faculty of Engineering
2. Faculty of Arts, Humanities and Social Sciences
3. Faculty of Business and Management
4. Faculty of Applied Sciences
5. Faculty of Built Environment (Sustainable Built Environment)

1.4 WHY CHOOSE CAMTECH?

EMPLOYABILITY FOCUS:

- ✓ Project-based work integrated learning
- ✓ Industry and business linkage for job placement
- ✓ Support for start-ups and business innovation
- ✓ Internship opportunities every academic year

LANGUAGE:

- ✓ English as medium of instruction
- ✓ Chinese as third business language

EXPERT FACULTY:

- ✓ Full-time lecturers & world-class researchers

- ✓ All lecturers completed post-graduate certificate of teaching

OUTSTANDING FACILITIES:

- ✓ Sports Complex: Gym, basketball, volleyball, football, table tennis, badminton
- ✓ Labs: Robotics, Allab4Education, maker space, start-up studio
- ✓ Research Centers: Social Innovation & AI, Big Data & Cyber Security (ABC)
- ✓ Brand-new campus with digital and physical library
- ✓ Green environment design

SOCIAL IMPACT:

- ✓ Contributing to Sustainable Development Goals (SDGs)
- ✓ Member of UN Sustainable Development Solutions Network (SDSN)
- ✓ Center for Social Innovation
- ✓ Promoting diversity and multiculturalism

1.5 CORE VALUES

FOUNDATIONAL VALUES:

- Integrity
- Respect
- Excellence
- Innovation
- Diversity

HARD SKILLS EMPHASIS:

- Mathematics
- Science
- Language
- Arts
- Social Science

WELL-BEING FOCUS:

- Physical health
- Cognitive development
- Mental health
- Emotional intelligence
- Social & spiritual growth

SOFT SKILLS DEVELOPMENT:

- Critical Thinking
- Creativity

- Collaboration
- Communication

SECTION 2: ACADEMIC PROGRAMS

2.1 BACHELOR'S DEGREE PROGRAMS

CamTech offers 10 Bachelor's degree programs across all faculties.

PROGRAM LIST:

1. Architecture
2. Cyber Security
3. Data Science and AI Engineering
4. Educational Technology
5. Interior Design
6. Media & Communication Technology
7. Risk Management & Business Intelligence
8. Robotics and Automation Engineering
9. Software Engineering
10. Innovation & Entrepreneurship

PROGRAM 1: ARCHITECTURE

DEGREE: Bachelor of Architecture

FACULTY: Built Environment

DURATION: 4 years (8 semesters)

LANGUAGE: English

CAMPUS: Main Campus, Phnom Penh

PROGRAM OVERVIEW:

Technology such as Artificial Intelligence (AI) has been dominating every aspect of our built environment. CamTech's Architecture

Program equips students with skills to use technology ethically through smart Design Studio approach.

KEY FEATURES:

- In-depth understanding of building structures
- Critical issues in architectural design
- Cutting-edge construction technology
- Sustainable building design
- Architectural history studies
- Digital fabrication techniques
- Urban planning and city studies

TECHNOLOGY TOOLS STUDENTS LEARN:

- ✓ AI for design optimization
- ✓ Data analysis for architecture
- ✓ 3D modeling software
- ✓ Virtual Reality (VR) for visualization
- ✓ Sustainable architecture software
- ✓ Energy efficiency analysis tools

CAREER PATHWAYS:

- Architect
- Architectural Designer
- Urban Planner
- Sustainable Design Consultant
- 3D Visualization Specialist
- Construction Project Manager
- Digital Fabrication Specialist

EXPECTED SALARY RANGE:

Entry Level: \$800 - \$1,500/month (Cambodia)

Mid-Career: \$2,000 - \$4,000/month

International: \$40,000 - \$70,000/year

ENTRY REQUIREMENTS:

- High school diploma
- Strong performance in Mathematics and Physics
- Entrance exam (Mathematics: 90 minutes, English: 60 minutes)
- Interview (15 minutes)
- Portfolio (recommended but not required)

SPECIAL FEATURES:

- Work-integrated learning experience
- Internship opportunities each year

- Access to digital fabrication lab
- Industry partnerships for job placement
- Entrepreneurship skill development

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PROGRAM 2: CYBER SECURITY

DEGREE: Bachelor of Cyber Security
FACULTY: Engineering
DURATION: 4 years (8 semesters)
LANGUAGE: English
CAMPUS: Main Campus, Phnom Penh

PROGRAM OVERVIEW:

With the rise of security breaches, IoT security issues, ransomware, spam, phishing attacks, and malware, cybersecurity professionals are in high demand. This program teaches you to protect servers, networks, and data from cybercriminals.

WHAT YOU'LL LEARN:

- Cyber-attack methods and defense strategies
- Network security and protection
- Finding system vulnerabilities
- Ethical hacking techniques
- Security breach response
- IoT security protocols
- Malware analysis and prevention
- Ransomware defense
- Spam and phishing detection

WORKING WITH:

- ✓ Industry experts
- ✓ Cybersecurity challenges in organizations
- ✓ Infrastructure security
- ✓ National security concerns
- ✓ Real-world stakeholders

CAREER PATHWAYS:

- Cybersecurity Analyst
- Network Security Engineer

- Ethical Hacker / Penetration Tester
- Security Consultant
- Information Security Manager
- Incident Response Specialist
- Security Architect
- Malware Analyst

EXPECTED SALARY RANGE:

Entry Level: \$1,000 - \$2,000/month (Cambodia)

Mid-Career: \$2,500 - \$5,000/month

International: \$60,000 - \$100,000/year

ENTRY REQUIREMENTS:

- High school diploma
- Strong analytical and problem-solving skills
- Interest in technology and security
- Entrance exam (Mathematics: 90 minutes, English: 60 minutes)
- Interview (15 minutes)

SPECIAL FEATURES:

- Big Data & Cyber Security (ABC) Research Center access
- Hands-on lab experience
- Industry internships
- Entrepreneurship opportunities in security startups

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PROGRAM 3: DATA SCIENCE AND AI ENGINEERING

DEGREE: Bachelor of Data Science and AI Engineering

FACULTY: Engineering / Applied Sciences

DURATION: 4 years (8 semesters)

LANGUAGE: English

CAMPUS: Main Campus, Phnom Penh

PROGRAM OVERVIEW:

Artificial Intelligence and Data Science deals with scientific methodologies, processes, tools and techniques to extract knowledge from structured and unstructured data. This knowledge is applied in business, health, industry, agriculture, and education.

CORE FOCUS AREAS:

- Collecting and interpreting data
- Categorizing and strategizing data
- Analyzing and optimizing data
- Data-driven solution development
- Data visualization
- Big data analysis
- Complex image and video analysis
- Machine learning model building
- Deep learning applications
- Process optimization
- Information fusion for decision making

TECHNOLOGIES & TOOLS:

- ✓ Statistical analysis tools
- ✓ Machine learning frameworks
- ✓ Deep learning platforms
- ✓ Big data processing (Hadoop, Spark)
- ✓ Data visualization software
- ✓ AI model deployment tools
- ✓ Cloud computing platforms

CAREER PATHWAYS:

- Data Scientist
- AI Engineer / ML Engineer
- Data Analyst
- Business Intelligence Analyst
- Research Scientist (AI)
- Computer Vision Engineer
- Natural Language Processing Engineer
- AI Product Manager

EXPECTED SALARY RANGE:

Entry Level: \$1,200 - \$2,500/month (Cambodia)

Mid-Career: \$3,000 - \$6,000/month

International: \$70,000 - \$120,000/year

ENTRY REQUIREMENTS:

- High school diploma
- Strong mathematics and statistics background
- Programming interest
- Entrance exam (Mathematics: 90 minutes, English: 60 minutes)
- Interview (15 minutes)

SPECIAL FEATURES:

- Allab4Education access
- Research collaboration opportunities
- Real-world project experience
- Industry partnerships with tech companies

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PROGRAM 4: EDUCATIONAL TECHNOLOGY

DEGREE: Bachelor of Educational Technology

FACULTY: Arts, Humanities and Social Sciences

DURATION: 4 years (8 semesters)

LANGUAGE: English

CAMPUS: Main Campus, Phnom Penh

PROGRAM OVERVIEW:

This program focuses on the intersection of technology and education, preparing students to integrate technology into educational settings through technology-enhanced teaching and learning processes.

WHAT YOU'LL LEARN:

- Education theory and pedagogy
- Instructional design principles
- Technology implementation in education
- Creating technology-based instructional materials
- Multimedia presentations
- Online course development
- Interactive game design for learning
- Virtual reality in education
- Artificial intelligence in education
- Social media for educational purposes

SKILLS DEVELOPED:

- ✓ Critical thinking
- ✓ Problem-solving
- ✓ Analyzing educational technology effectiveness
- ✓ Evaluating technological tools
- ✓ Creating engaging digital content
- ✓ Managing learning management systems

CAREER PATHWAYS:

- Instructional Designer
- Educational Technology Specialist
- E-Learning Developer
- Learning Management System Administrator
- Educational Content Creator
- EdTech Consultant
- Curriculum Developer
- Training and Development Specialist

EXPECTED SALARY RANGE:

Entry Level: \$700 - \$1,500/month (Cambodia)

Mid-Career: \$1,800 - \$3,500/month

International: \$45,000 - \$75,000/year

ENTRY REQUIREMENTS:

- High school diploma
- Interest in education and technology
- Good communication skills
- Entrance exam (Mathematics: 90 minutes, English: 60 minutes)
- Interview (15 minutes)

SPECIAL FEATURES:

- Internship opportunities in schools and educational institutions
- Practicum experiences
- Access to educational technology labs
- Partnership with schools for hands-on learning

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PROGRAM 5: INTERIOR DESIGN

DEGREE: Bachelor of Interior Design

FACULTY: Built Environment

DURATION: 4 years (8 semesters)

LANGUAGE: English

CAMPUS: Main Campus, Phnom Penh

PROGRAM OVERVIEW:

Interior Design at CamTech focuses on creating innovative and

exciting interior spaces through adaptation and spatial arrangement of existing buildings.

WHAT YOU'LL LEARN:

- In-depth understanding of interior space
- Practical design skills
- Theoretical design knowledge
- Sustainable material selection
- Color theory and application
- Lighting design principles
- User needs assessment
- Space functionality optimization

DIGITAL TECHNOLOGY:

- ✓ Augmented Reality (AR) for visualization
- ✓ Virtual Reality (VR) for space viewing
- ✓ AI for design optimization
- ✓ 3D modeling software
- ✓ Data analysis for design decisions
- ✓ Intuitive space viewing experiences

CAREER PATHWAYS:

- Interior Designer
- Interior Architect
- Residential Designer
- Commercial Space Designer
- Furniture Designer
- Lighting Designer
- 3D Visualization Specialist
- Design Consultant

EXPECTED SALARY RANGE:

Entry Level: \$600 - \$1,200/month (Cambodia)

Mid-Career: \$1,500 - \$3,500/month

International: \$40,000 - \$70,000/year

ENTRY REQUIREMENTS:

- High school diploma
- Creative aptitude
- Good visual and spatial awareness
- Entrance exam (Mathematics: 90 minutes, English: 60 minutes)
- Interview (15 minutes)
- Portfolio (recommended)

SPECIAL FEATURES:

- Work-integrated learning
- Entrepreneurship skill development
- Leadership training
- Industry partnerships
- Access to design studios and labs

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PROGRAM 6: MEDIA & COMMUNICATION TECHNOLOGY

DEGREE: Bachelor of Media & Communication Technology

FACULTY: Arts, Humanities and Social Sciences

DURATION: 4 years (8 semesters)

LANGUAGE: English

CAMPUS: Main Campus, Phnom Penh

PROGRAM OVERVIEW:

An interdisciplinary program focusing on digital media production, telecommunications, multimedia systems, and network engineering, combined with communication theories, media production, digital technologies, and business management.

CORE AREAS OF STUDY:

- Digital media production
- Telecommunications
- Multimedia systems
- Network engineering
- Communication theories
- Media production techniques
- Digital technologies
- Business management

PRACTICAL SKILLS:

- ✓ Audio production
- ✓ Video production
- ✓ Web content creation
- ✓ Social media management
- ✓ Digital storytelling
- ✓ Multimedia editing
- ✓ Live streaming and broadcasting

CAREER PATHWAYS:

- Media Producer
- Content Creator
- Video Editor
- Multimedia Specialist
- Social Media Manager
- Broadcast Technician
- Digital Marketing Specialist
- Independent Media Producer

EXPECTED SALARY RANGE:

Entry Level: \$600 - \$1,500/month (Cambodia)

Mid-Career: \$1,800 - \$4,000/month

Freelance: Variable, project-based

ENTRY REQUIREMENTS:

- High school diploma
- Creativity and communication skills
- Interest in media and technology
- Entrance exam (Mathematics: 90 minutes, English: 60 minutes)
- Interview (15 minutes)

SPECIAL FEATURES:

- Internship opportunities in media companies
- Virtual and in-person practical experiences
- Access to media production studios
- Industry partnerships

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PROGRAM 7: RISK MANAGEMENT & BUSINESS INTELLIGENCE

DEGREE: Bachelor of Risk Management & Business Intelligence

FACULTY: Business and Management

DURATION: 4 years (8 semesters)

LANGUAGE: English

CAMPUS: Main Campus, Phnom Penh

PROGRAM OVERVIEW:

This program provides comprehensive understanding of the

intersection between business analytics, information technology, and risk management, combining theoretical concepts with practical applications.

CORE COMPETENCIES:

- Business analytics
- Data analysis and interpretation
- Risk management strategies
- Threat assessment
- Financial risk evaluation
- Market trend analysis
- Data mining
- Statistical analysis
- Decision-making frameworks
- Database management
- Software development

KEY TOPICS:

- ✓ Business Intelligence
- ✓ Strategic Management
- ✓ Enterprise Risk Management
- ✓ Fraud Detection and Prevention
- ✓ Cyber Security
- ✓ Compliance Management

CAREER PATHWAYS:

- Risk Analyst
- Business Intelligence Analyst
- Data Analyst
- Compliance Officer
- Financial Risk Manager
- Fraud Analyst
- Strategic Planning Analyst
- Management Consultant

EXPECTED SALARY RANGE:

Entry Level: \$800 - \$1,800/month (Cambodia)

Mid-Career: \$2,000 - \$4,500/month

International: \$50,000 - \$90,000/year

INDUSTRIES:

- Finance and Banking
- Insurance
- Healthcare

- Government
- Consulting Firms
- Corporate Risk Management

ENTRY REQUIREMENTS:

- High school diploma
- Strong analytical skills
- Interest in business and technology
- Entrance exam (Mathematics: 90 minutes, English: 60 minutes)
- Interview (15 minutes)

SPECIAL FEATURES:

- Real-world case studies
- Industry collaboration
- Internship opportunities
- Technical and business skill development

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PROGRAM 8: ROBOTICS AND AUTOMATION ENGINEERING

DEGREE: Bachelor of Robotics and Automation Engineering

FACULTY: Engineering

DURATION: 4 years (8 semesters)

LANGUAGE: English

CAMPUS: Main Campus, Phnom Penh

PROGRAM OVERVIEW:

Robotics and automation push productivity to new levels. This program is home to problem-solvers and independent thinkers who drive innovation in automated systems for Cambodia's economic growth and beyond.

PROGRAM VISION:

From smart homes to automated agriculture fields that monitor soil nutrition, to smart industry production chains with optimized scheduling—robotics and automation shape the future.

WHAT YOU'LL LEARN:

- Electrical and electronics fundamentals
- Mechatronics principles

- Robotics systems
- Automated system complexity
- Vision systems
- Networking for automation
- Software applications
- Smart decision-making logic
- Production optimization
- IoT integration

CAREER PATHWAYS:

- Robotics Engineer
- Automation Engineer
- Mechatronics Engineer
- Control Systems Engineer
- Industrial Automation Specialist
- Manufacturing Engineer
- AI Robotics Developer
- Automation Consultant

EXPECTED SALARY RANGE:

Entry Level: \$1,000 - \$2,000/month (Cambodia)

Mid-Career: \$2,500 - \$5,000/month

International: \$60,000 - \$95,000/year

ENTRY REQUIREMENTS:

- High school diploma
- Strong mathematics and physics background
- Problem-solving aptitude
- Entrance exam (Mathematics: 90 minutes, English: 60 minutes)
- Interview (15 minutes)

SPECIAL FEATURES:

- Robotics lab access
- Entrepreneurship mindset development
- Work-integrated learning
- Industry partnerships in manufacturing
- Innovation-focused community

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PROGRAM 9: SOFTWARE ENGINEERING

DEGREE: Bachelor of Software Engineering

FACULTY: Engineering

DURATION: 4 years (8 semesters)

LANGUAGE: English

CAMPUS: Main Campus, Phnom Penh

PROGRAM OVERVIEW:

Software engineering is the backbone of all software systems, focusing on applying techniques that ensure successful completion of high-quality products. It's the heart of modern digital technology.

CORE FOCUS:

- System architecture
- Logic and algorithms
- Connections and networking
- Security
- Design-based coding
- Quality assurance

APPLICATION DEVELOPMENT AREAS:

- ✓ Mobile app development
- ✓ Website development
- ✓ Intelligent systems using AI
- ✓ Immersive technology (AR/VR) applications
- ✓ Secure application development
- ✓ Industry 4.0-related applications
- ✓ Service-related software applications

BENEFITS OF SOFTWARE ENGINEERING:

- Enhances service efficiency
- Increases business productivity
- Reduces production costs
- Enables digital transformation

CAREER PATHWAYS:

- Software Developer/Engineer
- Full-Stack Developer
- Mobile App Developer
- Web Developer
- DevOps Engineer
- Software Architect
- Quality Assurance Engineer

→ Technical Lead

EXPECTED SALARY RANGE:

Entry Level: \$800 - \$2,000/month (Cambodia)

Mid-Career: \$2,500 - \$5,500/month

International: \$60,000 - \$110,000/year

ENTRY REQUIREMENTS:

- High school diploma
- Logical thinking and problem-solving skills
- Interest in programming
- Entrance exam (Mathematics: 90 minutes, English: 60 minutes)
- Interview (15 minutes)

SPECIAL FEATURES:

- Work-integrated learning
- Employability skill development
- Entrepreneurship training
- Leadership development
- Access to maker space and labs

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PROGRAM 10: INNOVATION & ENTREPRENEURSHIP

DEGREE: Bachelor of Innovation & Entrepreneurship

FACULTY: Business and Management

DURATION: 4 years (8 semesters)

LANGUAGE: English

CAMPUS: Main Campus, Phnom Penh

PROGRAM OVERVIEW:

With rapid techno-economic transformation, new social problems cannot be solved with old policy instruments. This program trains social innovators and entrepreneurs to provide novel, effective, efficient, and sustainable solutions.

WHAT IS SOCIAL INNOVATION?

The design and implementation of new and innovative methods—including new concepts, processes, products, and organizational changes—which aim to solve societal problems and improve

individual and/or community welfare.

SKILLS YOU'LL DEVELOP:

- Innovation strategies for current services/products
- Design thinking
- Market dynamics analysis
- Societal challenge addressing
- Creative thinking
- Entrepreneurship fundamentals
- Leadership skills
- Technology application for innovation

PRACTICAL EXPERIENCE:

- ✓ Hands-on practice with actionable tools
- ✓ Supervision by industrial innovation leads
- ✓ Market analysis
- ✓ Minimum viable product (MVP) development
- ✓ Business plan creation
- ✓ Start-up development

CAREER PATHWAYS:

- Entrepreneur / Start-up Founder
- Innovation Consultant
- Social Entrepreneur
- Business Development Manager
- Product Manager
- Innovation Manager
- Strategy Consultant
- Corporate Innovation Lead

EXPECTED SALARY RANGE:

Entry Level: \$700 - \$1,500/month (Cambodia)

Entrepreneurship: Variable (depends on venture success)

Consulting: \$2,000 - \$5,000/month

ENTRY REQUIREMENTS:

- High school diploma
- Creative and entrepreneurial mindset
- Interest in solving societal problems
- Entrance exam (Mathematics: 90 minutes, English: 60 minutes)
- Interview (15 minutes)

SPECIAL FEATURES:

- Start-up studio access

- Business incubation support
 - Mentorship from industry leaders
 - Networking opportunities
 - Real-world project implementation
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2.2 MASTER'S & PhD PROGRAMS

CamTech offers advanced degree programs in cutting-edge technology fields.

AVAILABLE PROGRAMS:

1. Technology Management (Master's & PhD)
 2. Technology Governance (Master's & PhD)
 3. Data Science (Master's & PhD)
 4. Artificial Intelligence (Master's & PhD)
 5. Cybersecurity (Master's & PhD)
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MASTER'S DEGREE ADMISSION REQUIREMENTS

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ACADEMIC REQUIREMENTS:

- Bachelor's degree with minimum GPA 3.20 from accredited institution (Cambodia or overseas)

ENGLISH PROFICIENCY (one of the following):

- IELTS: Minimum 6.0 (writing band ≥ 6.0)
- TOEFL iBT: Minimum 60
- TOEFL PBT: Minimum 500
- CEFE: Minimum B2

ADDITIONAL REQUIREMENTS:

- Research proposal (can be turned into thesis)
- Proven track record of publications (if any)
- Two (2) letters of recommendation

- At least one must be from university professor
 - Noteworthy achievements for Recognition of Prior Learning assessment (if any)
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DOCTORAL DEGREE (PhD) ADMISSION REQUIREMENTS

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ACADEMIC REQUIREMENTS:

- Master's degree with minimum GPA 3.50 from accredited institution (Cambodia or overseas)

ENGLISH PROFICIENCY (one of the following):

- IELTS: Minimum 6.5 (no individual band less than 6.0)
- TOEFL iBT: Minimum 80
- TOEFL PBT: Minimum 550
- CEFE: Minimum C1

ADDITIONAL REQUIREMENTS:

- Strong research proposal (can be turned into doctoral dissertation)
 - Proven track record of publications (if any)
 - Acceptance by CamTech doctoral supervisor who will be principal supervisor
 - Two (2) letters of recommendation
 - At least one must be from university professor
 - Noteworthy achievements for Recognition of Prior Learning assessment (if any)
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GRADUATE PROGRAM SCHEDULE

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ACADEMIC CALENDAR:

- Trimester system (3 terms per year)
- Each term: Minimum 15 weeks

PROGRAM STRUCTURE:

- Year 1: Coursework
- Additional 6 terms: Thesis work and journal publication

STUDY SCHEDULE:

- Friday: 1:00 PM - 3:00 PM and 3:30 PM - 5:30 PM
 - Saturday: 8:00 AM - 12:30 PM and 1:00 PM - 3:30 PM
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2.3 PROFESSIONAL DIPLOMA PROGRAMS (PDP)

PROGRAM OVERVIEW:

Career-focused programs designed for students who have completed an associate degree or equivalent. Elevates focus-expertise to professional level.

TARGET AUDIENCE:

Students who want to:

- Develop professional-level expertise
- Learn entrepreneurship and freelancing skills
- Gain business-related competencies
- Transition to full bachelor's program

KEY FEATURES:

- ✓ Career-focused seminar
- ✓ Core coursework
- ✓ Student-selected job placement learning
- ✓ Private lessons
- ✓ Large ensemble experiences
- ✓ Elective courses

SKILLS DEVELOPED:

- Critical professional skills
- Entrepreneurship
- Freelancing capabilities
- Repertoire planning
- Diversity in programming
- Addressing professional world gaps

PATHWAY TO BACHELOR'S:

After completing PDP and fulfilling requirements, students can transition into full bachelor's program in their chosen major.

PROGRAM BENEFITS:

- Deepen expertise in focus area
 - Expand professional readiness
 - Broaden skill sets
 - Access variety of techniques
 - Prepare for leadership roles
 - Stay current with industry changes
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2.4 FAST-TRACK PREPARATORY PROGRAMS

Non-degree programs designed to help learners prepare for academic studies or employment.

THREE PROGRAMS OFFERED:

1. General English Program (GEP)
 2. English for Academic Purposes (EAP)
 3. Pre-University Program (PUP)
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1. GENERAL ENGLISH PROGRAM (GEP)

PURPOSE:

Comprehensive language learning program focusing on improving four key language skills.

SKILLS COVERED:

- Reading
- Writing
- Listening
- Speaking

TARGET STUDENTS:

- Students needing English foundation
- Non-native English speakers
- Those preparing for university studies

PROGRAM STRUCTURE:

- Different levels available
 - Flexible hours
 - Progressive skill development
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2. ENGLISH FOR ACADEMIC PURPOSES (EAP)

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PURPOSE:

Help non-native speakers of English improve their academic language skills specifically for university-level studies.

FOCUS AREAS:

- Academic writing
- Research paper comprehension
- Academic presentations
- Note-taking skills
- Critical reading
- Citation and referencing

TARGET STUDENTS:

- Students preparing for bachelor's degree
 - International students
 - Those needing academic English proficiency
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3. PRE-UNIVERSITY PROGRAM (PUP)

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PURPOSE:

Preparatory program helping high school graduates meet academic requirements for direct entry into desired university programs.

WHAT IT COVERS:

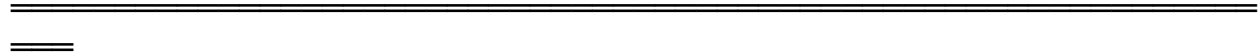
- Mathematics foundations
- English proficiency
- Science fundamentals
- Study skills
- University readiness

TARGET STUDENTS:

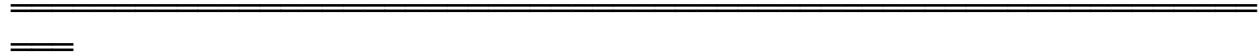
- High school graduates
- Students not meeting direct entry requirements
- Those needing academic preparation

BENEFIT:

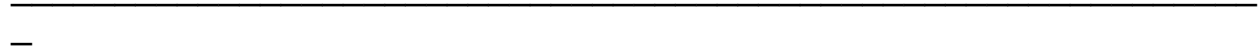
Bridge the gap between high school and university-level studies



SECTION 3: ADMISSIONS & APPLICATION



3.1 HOW TO APPLY (BACHELOR'S PROGRAMS)



STEP-BY-STEP APPLICATION PROCESS:

STEP 1: FILL APPLICATION FORM

- Complete online application form
- Provide all requested information accurately
- Submit required documents

STEP 2: ENTRANCE EXAMS

Take two entrance examinations:

Mathematics Exam:

- Duration: 90 minutes
- Tests mathematical aptitude
- Relevant to chosen program

English Exam:

- Duration: 60 minutes
- Tests English language proficiency
- Reading, writing, comprehension

STEP 3: INTERVIEW

- Duration: 15 minutes
- Face-to-face or online
- Discussion about interests and goals
- Questions about chosen program

STEP 4: ADMISSION DECISION

- Review of application materials
 - Evaluation of exam scores
 - Interview assessment
 - Notification of admission status
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3.2 BACHELOR'S PROGRAM REQUIREMENTS SUMMARY

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MINIMUM REQUIREMENTS:

- ✓ High school diploma or equivalent
- ✓ Pass entrance exams (Mathematics & English)
- ✓ Complete interview successfully
- ✓ Meet program-specific requirements (if any)

ADDITIONAL REQUIREMENTS (PROGRAM-SPECIFIC):

- Architecture: Portfolio recommended
 - Interior Design: Portfolio recommended
 - All programs: Strong academic record preferred
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3.3 APPLICATION METHODS

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ONLINE APPLICATION:

- Website: <https://ee-eu.kobotoolbox.org/x/FaebcANX>
- Scan QR code (available on website)

- Complete digital application form

CONTACT FOR QUESTIONS:

- Visit campus: CamTech Street, Chroy Chongvar Satellite City
 - Email: admissions@camtech.edu.kh (check official website)
 - Phone: Contact through official website
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SECTION 4: CAMPUS & FACILITIES

4.1 CAMPUS LOCATION

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FULL ADDRESS:

CamTech Street
Chroy Chongvar Satellite City
Sangkat Prektasek
Khan Chroy Chongvar
Phnom Penh, Cambodia

CAMPUS SIZE: 5 hectares

ENVIRONMENT: Brand-new campus with green environment

INVESTMENT: \$3+ million in infrastructure

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4.2 SPORTS COMPLEX

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FACILITIES AVAILABLE:

- ✓ Gymnasium (Gym)
- ✓ Basketball court
- ✓ Volleyball court
- ✓ Football field
- ✓ Table tennis
- ✓ Badminton court

PURPOSE:

- Physical health and well-being
 - Sports activities and competitions
 - Recreation and stress relief
 - Team building
-

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4.3 LABORATORIES & INNOVATION SPACES

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ROBOTICS LAB:

- Advanced robotics equipment
- Automation systems
- Hands-on learning environment
- Project development space

Allab4Education:

- Artificial Intelligence research
- Machine learning projects
- Educational AI applications
- Data science tools

MAKER SPACE:

- Prototyping equipment
- 3D printers
- Electronics workbenches
- Creative project development
- Innovation and experimentation

START-UP STUDIO:

- Entrepreneurship support
 - Business incubation
 - Mentorship programs
 - Networking opportunities
 - Pitch and presentation spaces
-

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4.4 RESEARCH CENTERS

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CENTER FOR SOCIAL INNOVATION & AI:

- Social innovation research
- AI applications for social good
- Community problem-solving
- Sustainable development projects

BIG DATA & CYBER SECURITY (ABC) CENTER:

- Cybersecurity research
 - Big data analytics
 - Data protection studies
 - Industry collaboration
-

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4.5 LIBRARY FACILITIES

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DIGITAL LIBRARY:

- Online databases
- E-books and journals
- Research materials
- 24/7 digital access

PHYSICAL LIBRARY:

- Study spaces
 - Book collections
 - Quiet reading areas
 - Group study rooms
 - Computer access
-

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4.6 OTHER CAMPUS AMENITIES

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- ✓ Garden areas for relaxation
 - ✓ Canteen for meals

- ✓ Modern classrooms
 - ✓ Computer labs
 - ✓ WiFi coverage across campus
 - ✓ Student lounge areas
 - ✓ Meeting rooms
 - ✓ Green environment design
-
-

SECTION 5: RESEARCH & INNOVATION

5.1 RESEARCH & INNOVATION COMPONENTS

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CamTech's Research & Innovation includes:

1. AI FORUM

- Discussions on AI developments
- Knowledge sharing
- Expert presentations
- Student participation

2. RESEARCH CENTERS

- Social Innovation & AI Center
- Big Data & Cyber Security (ABC) Center

3. PUBLICATIONS

- Academic journals
- Research papers
- Student publications
- Faculty research output

4. PROJECTS

- Real-world research projects
- Industry collaborations
- Student research opportunities
- Innovation initiatives

5. TRAINING/WORKSHOPS

- Skill development sessions
- Professional training
- Technology workshops
- Research methodology training

6. CONFERENCES/SEMINARS

- Academic conferences
 - Industry seminars
 - Guest speaker events
 - Knowledge exchange
-

5.2 FACULTY OF ENGINEERING CURRICULUM FRAMEWORK

INTERCONNECTED CURRICULUM PRINCIPLES:

1. STUDENTS CONNECTED WITH RESEARCHERS

- Students engage with research from foundation year
- Researchers mentor students
- Continuous research involvement throughout program

2. RESEARCH ACTIVITIES BUILT INTO PROGRAMS

- Connected sequence of learning activities
- Step-by-step research method application
- Inquiry-based learning approach

3. CONNECTIONS ACROSS SUBJECTS

- Learn with students from other disciplines
- Collaborate with outside scholars
- Cross-disciplinary learning platform

4. ACADEMIC + WORKPLACE LEARNING

- Internship every academic year
- University research group opportunities
- Startup internships
- External firm placements

5. OUTPUT-FOCUSED ASSESSMENT

- Work assessed by students and faculty
- International and local community participation

- Digital communication skills development
- Real-world audience engagement

6. STUDENT & ALUMNI CONNECTIONS

- Cross-discipline student connections
- Alumni networking
- Peer mentoring programs
- Active student clubs

SECTION 6: PARTNERSHIPS & COLLABORATION

6.1 COLLABORATION TYPES

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CamTech maintains four types of partnerships:

1. UNIVERSITY-INDUSTRY LINKAGE

- Connects academic programs with industry needs
- Provides job placement opportunities
- Facilitates internships
- Ensures curriculum relevance

2. INDUSTRIAL PARTNERS

- Technology companies
- Manufacturing firms
- Service industries
- Start-up ecosystem

3. EDUCATIONAL PARTNERS

- Universities in Asian region
- International academic institutions
- Technical partnership programs
- Exchange programs

4. DONORS

- Neak Oknha Pung Kheav Se Foundation
- Federation of Khmer-Chinese in Cambodia

- Other supporting organizations

6.2 INTERNATIONAL PROGRAMS

INTERNATIONAL EXCHANGE PROGRAM:

For detailed requirements and information, visit:

<https://camtech.edu.kh/wp-content/uploads/2024/07/International-exchange-program.pdf>

BENEFITS:

- Study abroad opportunities
- International exposure
- Cultural exchange
- Network building
- Enhanced employability

6.3 GLOBAL CONNECTIONS

INTERNATIONAL MEMBERSHIPS:

- ✓ United Nations Sustainable Development Solutions Network (SDSN) member
- ✓ Contributing to Sustainable Development Goals (SDGs)
- ✓ Partnerships with reputable universities in Asia
- ✓ International research collaborations

SECTION 7: QUICK REFERENCE FAQs

7.1 GENERAL QUESTIONS

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Q: What type of institution is CamTech?

A: CamTech is a private not-for-profit university approved by the Royal Government of Cambodia in March 2021.

Q: What does CamTech stand for?

A: Cambodia University of Technology and Science

Q: What language is used for instruction?

A: English is the medium of instruction. Chinese is offered as a third business language.

Q: Is CamTech accredited?

A: Yes, CamTech is officially approved by the Royal Government of Cambodia.

Q: What makes CamTech different from other universities?

A: CamTech focuses on:

- Technology and innovation
- Work-integrated learning
- Industry partnerships
- Entrepreneurship development
- Research-informed teaching
- State-of-the-art facilities
- Social innovation

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7.2 PROGRAM QUESTIONS

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Q: How many bachelor's programs does CamTech offer?

A: 10 bachelor's degree programs across all faculties

Q: What graduate programs are available?

A: Master's and PhD programs in:

- Technology Management
- Technology Governance
- Data Science
- Artificial Intelligence

- Cybersecurity

Q: Does CamTech offer part-time programs?

A: Graduate programs (Master's & PhD) meet on Fridays and Saturdays, making them suitable for working professionals.

Q: Can I transfer credits from another university?

A: Contact admissions office for transfer credit evaluation.

Q: What is the duration of bachelor's programs?

A: 4 years (8 semesters) for all bachelor's programs

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7.3 ADMISSION QUESTIONS

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Q: What are the admission requirements?

A: For Bachelor's:

- High school diploma
- Pass entrance exams (Math: 90 min, English: 60 min)
- Complete 15-minute interview

Q: When can I apply?

A: Check official website for current application deadlines

Q: How do I apply?

A: Apply online at: <https://ee-eu.kobotoolbox.org/x/FaebcANX>

Q: Do I need IELTS or TOEFL for bachelor's admission?

A: No, you take CamTech's English entrance exam (60 minutes)

Q: What is the entrance exam like?

A: Two exams:

- Mathematics: 90 minutes
- English: 60 minutes

Tests basic proficiency relevant to university studies

Q: Can international students apply?

A: Yes, CamTech welcomes international students. Same application process applies.

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7.4 FINANCIAL QUESTIONS

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Q: How much is tuition?

A: Contact admissions office for current tuition rates.

Rates may vary by program and student type (local vs international).

Q: Are scholarships available?

A: Contact admissions or financial aid office for scholarship information and opportunities.

Q: What additional costs should I budget for?

A: Consider:

- Textbooks and materials
- Transportation
- Meals (canteen available on campus)
- Personal expenses

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7.5 CAREER & EMPLOYMENT QUESTIONS

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Q: Will CamTech help me find a job after graduation?

A: Yes! CamTech provides:

- Industry and business linkages
- Job placement support
- Internship opportunities every year
- Career counseling
- Start-up support and incubation

Q: Are internships required?

A: Yes, work-integrated learning and internships are part of the curriculum for every academic year.

Q: Can I start my own business while studying?

A: Yes! CamTech supports entrepreneurship through:

- Start-up studio
- Business incubation programs
- Mentorship
- Entrepreneurship courses

Q: What is the employment rate for graduates?

A: Contact the university for current graduate employment statistics and success stories.

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7.6 STUDENT LIFE QUESTIONS

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Q: Where do students live?

A: Contact student services for information about housing options near campus.

Q: What sports facilities are available?

A: Full sports complex with gym, basketball, volleyball, football, table tennis, and badminton.

Q: Are there student clubs?

A: Yes, student clubs are encouraged and supported as part of the connected learning experience.

Q: What support services are available?

A: CamTech provides various student support services. Contact student services for details on:

- Academic advising
- Career counseling
- Well-being support
- Library services

Q: Is there food available on campus?

A: Yes, there is a canteen on campus.

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7.7 TECHNOLOGY & FACILITIES QUESTIONS

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Q: What computer facilities are available?

A: Computer labs, WiFi across campus, digital library access, and specialized labs (Robotics, AI, Maker Space)

Q: Can I access research facilities as a bachelor's student?

A: Yes, students can access research centers and labs as part of the interconnected curriculum approach.

Q: Does CamTech have a library?

A: Yes, both digital and physical library facilities with:

- Online databases and e-resources
- Physical book collections
- Study spaces
- Research materials

SECTION 8: CONTACT INFORMATION

8.1 CAMPUS ADDRESS

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Cambodia University of Technology and Science (CamTech)
CamTech Street
Chroy Chongvar Satellite City
Sangkat Prektasek
Khan Chroy Chongvar
Phnom Penh, Cambodia

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8.2 ONLINE RESOURCES

OFFICIAL WEBSITE:

<https://camtech.edu.kh>

ONLINE APPLICATION:

<https://ee-eu.kobotoolbox.org/x/FaebcANX>

INTERNATIONAL EXCHANGE PROGRAM INFO:

<https://camtech.edu.kh/wp-content/uploads/2024/07/International-exchange-program.pdf>

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8.3 CONTACT METHODS

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For specific inquiries:

- Admissions: Visit website for admissions contact
- General Information: Contact through official website
- Technical Support: IT department contact on website
- Student Services: Contact through official channels

VISIT US:

Schedule a campus visit to:

- Tour facilities
 - Meet faculty and staff
 - Speak with current students
 - Ask questions in person
 - Experience the campus environment
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8.4 SOCIAL MEDIA

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Connect with CamTech on social media for:

- Latest news and updates
- Event announcements
- Student stories
- Campus life
- Research highlights

Check official website for social media links.

APPENDIX: CHATBOT USAGE NOTES

FOR CHATBOT DEVELOPMENT TEAM:

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This knowledge base is optimized for AI chatbot processing:

- ✓ Clear section headers with visual separators
- ✓ Consistent formatting throughout
- ✓ Key information highlighted with symbols
- ✓ Structured Q&A format where appropriate
- ✓ Career pathway information for each program
- ✓ Salary ranges for context (estimates)
- ✓ Progressive information hierarchy
- ✓ Cross-references where relevant

RECOMMENDED CHATBOT RESPONSES:

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When users ask about:

PROGRAMS → Provide overview, duration, career paths, entry requirements, and ask if they want more specific details

ADMISSIONS → Give step-by-step process, emphasize entrance exams and interview, provide application link

FACILITIES → Describe relevant facilities, highlight unique features (labs, sports, innovation spaces)

CAREERS → Share career pathways, mention industry linkages, internship opportunities, and start-up support

COSTS → Politely redirect to admissions office for current

tuition information

PERSONAL QUESTIONS → If question requires personal counseling,
escalate to human advisor

OUTSIDE KNOWLEDGE BASE → Clearly state information is not in
knowledge base and provide contact information

END OF KNOWLEDGE BASE
Last Updated: January 2025
Version: 1.0