Mahidol University
Faculty of Information and Communication Technology

ICT Mahidol

Faculty of Information and Communication Technology, Mahidol University

ICT Program

Bachelor of Science in

Information and Communication Technology (ICT)

4-Year —— International Program

Highlights

ICT Program
– Example of Best Practices
as assessed by AUN-QA
(Level 6 out of Level 7)

Opportunities for
international student exchange and internship programs

Elective courses
with 8 specializations
with cutting-edge technologies

Life-long learning skills
related to digital age technology through project-based learning

International program
- all courses provided in English

Availability for
financial support and scholarship
for academic and activity excellence

Great career opportunities

8 Specializations

Bachelor of Science in Information and Communication Technology (ICT International Program) offers 8 areas of specializations, which are closely related to career paths and academic areas of interest.

Computer Science

Focuses on the applications of computer science theories to solve real-world problems. Students will study core computer science related topics, such as, Algorithm Analysis, Organization of Programming Languages,Theory of Computation, etc.

Database Systems

Covers both fundamental and applied concepts in database management systems. Students will develop their theoretical and practical skills in applying database technologies to real-world problems, such as, Data Warehousing, Business Intelligence etc.

Networks and Security

Students will learn and practice the related-concepts of Computer Networks and Cybersecurity, such as, Local Area Networks and Network Management, Wireless and IoT Networking, Cloud Computing Systems, Services, Applications and Advanced Cybersecurity.

Software Engineering

Focuses on a systematic approach to the development process, analysis, design, implementation, testing, maintenance, and quality assurance of software. Students will learn the fundamentals of software development and methodologies such as Agile, Scrum.

Health Information Technology

Focuses on applying information technology for developing health and healthcare applications to deliver quality care. Students will study fundamental in healthcare systems, clinical information systems, management information systems in healthcare organizations, as well as information privacy and security in healthcare.

Information Systems

Focuses on how to use information technology (IT) and information systems (IS) to support and improve the business processes of the organization. Students will study subjects related to Information Systems Management, Information and Business Process Management, Introduction to Experience Design, etc.

Interactive Multimedia Technology

Focuses on the application of various multimedia technologies to create interactive systems to support a variety of fields, such as, art, education, entertainment, engineering, medicine, and science. Students will study essential topics including Computer Graphics, Digital Storytelling and Visual Design, Virtual Reality, etc.

Artificial Intelligence

Covers the fundamentals and applied concepts of artificial intelligence in various fields to solve practical problems. Students will learn core artificial intelligence subjects such as Introduction to Machine Learning, Deep Learning, Introduction to Natural Language Processing, Introduction to Computer Vision, etc.

Admission Schedules

Application Rounds for International Students

Round 1
ICT – Portfolio

Application Period	August
Qualifications	Matthayom 6 in Science – Math, Arts – Math, Science – Computer, Math – Computer Programs or GED scores (145 in each subject) or Grade 12 / Year 13
GPA	≥ **2.50** or equivalent (4 semesters)
Online Application	ICT Mahidol Website www.ict.mahidol.ac.th
Additional Documents	**Portfolio** (Remark) **A 3-minute video presentation in English** (in English) **A one A4 page essay** (in English) on "Why would you like to study further in IT and Computers and how will you apply the knowledge gained in the future?"

Round 2
MU – Portfolio

Application Period	**Round 1/1: August - September** **Round 1/2: December - January**
Qualifications	Matthayom 6 in Science – Math, Arts – Math, Science – Computer, Math – Computer Programs or GED scores (145 in each subject) or Grade 12 / Year 13
GPA	≥ **2.50** or equivalent (4 semesters) **Average grade** of Science, Math, and English ≥ **2.50**
Online Application	Mahidol Website https://tcas.mahidol.ac.th/
Additional Documents	**Portfolio** (Remark) **A 3-minute video presentation in English** (in English) **A one A4 page essay** (in English) on "Why would you like to study further in IT and Computers and how will you apply the knowledge gained in the future?"

Round 3
ICT – Direct Exam

Application Period	**February**
Qualifications	Matthayom 6 or GED scores (145 in each subject) or Grade 12 / Year 13
GPA	≥ **2.50** or equivalent
Online Application	ICT Mahidol Website www.ict.mahidol.ac.th
Remark	**Take ICT Mahidol examination:** - Math - English - Science - Computer (The exam will be held in March) **Scholarship examination**

Round 4
International Direct Admissions

Application Period	**September – May** (Open all year round)
Qualifications	Matthayom 6 or GED scores (145 in each subject) or Grade 12 / Year 13
GPA	≥ **2.50** or equivalent
Online Application	ICT Mahidol Website www.ict.mahidol.ac.th
Score	**Have English Proficiency and Math Test scores according to ICT Mahidol criteria**

• English Proficiency Test scores •

- TOEFL ITP: **500 or higher**, each sub score ≥ 49
- or TOEFL Internet Based Test: **60 or higher**, each sub score ≥ 15
- or IELTS: **5.0 or higher**, each sub score ≥ 5.0
- or TOEIC: **600 or higher**
- or SAT Evidence-Based Reading and Writing: **400 or higher**
- or The Duolingo English Test: **80 or higher**, each sub score ≥ 75

• Math Test scores •

- SAT (Math): **600 or higher**
- or ACT (Math): **25 or higher**
- or GaoKao Math: **70 or higher**

(More information about the above and additional criteria, please visit www.ict.mahidol.ac.th)

Additional Documents	**A statement of purpose, not more than 2 A4 pages**

The schedules are subject to change.
Please stay updated at www.ict.mahidol.ac.th

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Get a Brighter Future @ICT Mahidol

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More information