Online Program: Master of Engineering
in Artificial Intelligence and Internet of Things (International Program)
Major: Applied AI

Degree: M.Eng. (Artificial Intelligence and Internet of Things)

Program Structure

Courses: 30 Credits, consisting of:

Core Courses: 18 credits

Elective Courses: 12 credits

Independent Study: 6 credits

List of Courses

C = Core Course

E = Elective Course

1 credit per course

Online Program: Master of Engineering in Artificial Intelligence and Internet of Things (International Program) M.Eng. (Artificial Intelligence and Internet of Things) Major: Applied AI

	First Group (Courses will be released from April 2024 onwards)
1	Computational Mathematics: Linear Algebra (C)
2	Research Methodology in Applied Artificial Intelligence (C)
3	Machine Learning: Supervised Learning (C)
4	Machine Learning: Deep Learning (C)
5	Basic Programming with Python for Artificial Intelligence (C)
6	Computational Mathematics: Discrete Mathematics (C)
7	Computational Mathematics: Probability (C)
8	Research Seminar I in Applied Artificial Intelligence (C)
9	Research Seminar II in Applied Artificial Intelligence (C)
10	Principles of Artificial Intelligence: Problem Solving and Search (C)
11	Knowledge and Reasoning: Logic and Uncertainty (C)
12	Applications of Artificial Intelligence: Theories and Innovations (C)
13	Machine Learning: Unsupervised Learning (C)
14	Advanced Programming with Python Libraries for Artificial Intelligence (C)

	Online Program: Master of Engineering
	in Artificial Intelligence and Internet of Things (International Program)
	M.Eng. (Artificial Intelligence and Internet of Things) Major: Applied AI
15	AI Applications with Python and AI Languages (C)
16	Practical Development of Artificial Intelligence Applications (C)
17	Practical Development of Machine Learning Applications (C)
18	Critical Thinking and Ethics/Law for Artificial Intelligence (C)
	Second group (Courses will be released from January 2025 onwards)
19	Computer Vision Fundamentals (E)
20	Internet of Things Fundamentals (E)
21	Natural Language Processing Fundamentals (E)
22	Structural and Advanced Natural Language Processing (E)
23	Natural Language Processing Applications (E)
24	Structural and Advanced Computer Vision (E)
25	Computer Vision Applications (E)
26	Signal Processing and Analytics (E)
27	Internet of Things and Signal Processing Applications (E)
28	Robotics and Robot Operating Systems (E)
29	Robotics Kinematics and Modeling (E)
30	Advanced Robotics Controls (E)

Choose the Learning Outcome
✓ That Suits You

Learn for Knowledge

Choose courses that interest you
Non-credit course
Enhance your skills
Unlock your career opportunities

LEARNING OUTCOME 1

Earn Credit and Certificate of Course Completion

Complete the online learning
and exams for each course
to meet the required criteria
and earn credits.

LEARNING OUTCOME 2

Earn Certificate of Specialization Completion

Complete the online learning
and exams for
the specified courses
as required by the curriculum

LEARNING OUTCOME 3

Master's Degree
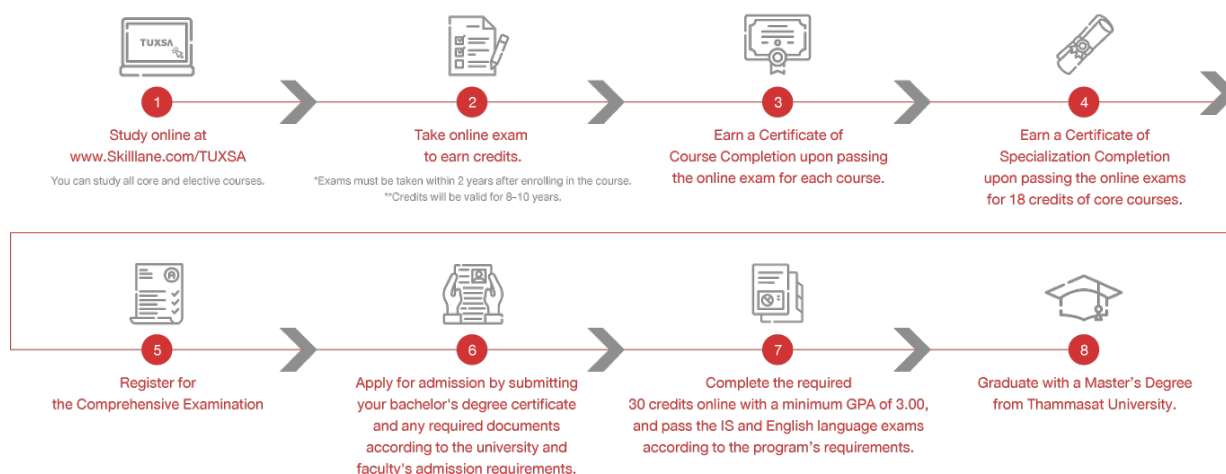
- Complete 30 credits of online courses.
  (30 courses)
- Pass the Comprehensive Examination.
  (on-campus)
- Pass the Independent Study (IS) Examination.
  (on-campus)
- Pass the English proficiency test.
- Hold at least a bachelor's degree.
- Meet the admission criteria of Thammasat University and the faculty.

LEARNING OUTCOME 4

มหาวิทยาลัยธรรมศาสตร์
THAMMASAT UNIVERSITY

SkillLane

TUXSA

Pathway to a Master's Degree

1 Study online at
www.Skilllane.com/TUXSA
You can study all core and elective courses.

2 Take online exam
to earn credits.
*Exams must be taken within 2 years after enrolling in the course.
**Credits will be valid for 8–10 years.

3 Earn a Certificate of
Course Completion upon passing
the online exam for each course.

4 Earn a Certificate of
Specialization Completion
upon passing the online exams
for 18 credits of core courses.

5 Register for
the Comprehensive Examination

6 Apply for admission by submitting
your bachelor's degree certificate
and any required documents
according to the university and
faculty's admission requirements.

7 Complete the required
30 credits online with a minimum GPA of 3.00,
and pass the IS and English language exams
according to the program's requirements.

8 Graduate with a Master's Degree
from Thammasat University.

Total Program Fee*

Item	Fee/course	Total Fees
Course Fee (Non–credit)	1,250 THB	37,500 THB (30 credits)
Examination fee for credit accumulation	2,500 THB	75,000 THB (30 credits)
Comprehensive Examination Fee (per attempt)		5,000 THB
Admission Application Fee (per attempt)		1,000 THB
Independent Study (IS) Fee** (6 credits)		60,000 THB (10,000 THB/credit)
Special Fee (after registering as a student at Thammasat University)*** (per semester)		8,760 THB
Insurance Fee for Institutional Property Damage (First semester only)		5,000 THB
Total		**192,260 THB******

Note

*Fees may be subject to change without prior notice.

**For IS registration, students must pass the exam within 5 years. Students can choose to register for a total of 6 credits in 1 semester or divide the IS registration into 2 semesters, with 3 credits each.

***If the study period as a Thammasat student exceeds 1 semester, additional charges will apply.

****This cost does not include other fees (after enrolling as a Thammasat University student) as announced by Thammasat University.

For more information about TUXSA

Visit www.SkillLane.com/Tuxsa or Call +66 81 996 7150 Email info@SkillLane.com

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THAMMASAT UNIVERSITY   SkillLane

Requirements for earning a Certificate of Course Completion

1) Pass the online exam for each course with a grade of D or higher to earn course credits.

2) Pass the online exam for each course with a grade of D or higher to earn the Certificate of Course Completion.

Requirements for earning the Certificate of Specialization Completion

Complete 18 credits of core courses.

Requirements for taking the comprehensive examination

1) Complete 18 credits of core courses with a grade of C or higher in each course.

2) Achieve a cumulative GPA of at least 3.00 on a 4.00 scale.

3) The Comprehensive Examination results will be valid for 5 years from the date of passing the exam.

Requirements for admission to the Artificial Intelligence and Internet of Things Program, Major in Applied AI

1) Hold at least a bachelor's degree in any field from a recognized institution, either domestically or internationally.

2) Complete 18 credits of core courses with a grade of C or higher in each course.

3) Achieve a cumulative GPA of at least 3.00 on a 4.00 scale.

4) Meet general eligibility requirements and not have any disqualifying characteristics as outlined in section 22 of the Thammasat University Regulations on Graduate Education, BE 2561.

5) Pass the Comprehensive Examination with a grade of P (Pass) and be ranked based on their scores for selection according to the annual admission quota.

6) Satisfy the English language proficiency requirements for international programs or satisfy the other requirements set by the Sirindhorn International Institute of Technology Committee.

Requirements for transferring academic records from TUXSA system to Thammasat University Transcript

1) After the student registration process is done, a student must transfer the grades of the core courses from TUXSA online system to an official transcript. (The grades transferred must not be lower than "C.")

2) After the student registration process is done, a student can choose the grades of elective courses to transfer from TUXSA online system to an official transcript. (The grades transferred must not be lower than "C.")

3) After the first round of credits transfer, a student who would like to transfer the grades of the remaining elective courses can submit a transfer request to Thammasat University according to the methods and during the period specified by the university.

4) The grades which are completely transferred to an official transcript cannot be re-transferred or adjusted.

5) There is no limit to the number of credits that can be transferred.

Requirements for enrolling in Independent Study (IS)

1) Complete 18 credits of core courses with a grade of C or higher in each course.

2) Achieve a cumulative GPA of at least 3.00 on a 4.00 scale.

3) Achieve a grade of P (Pass) in the Comprehensive Examination.

4) If a student would like to register for Independent Study 2 in the same semester as Independent Study 1, a request must be submitted to the Sirindhorn International Institute of Technology Committee for individual consideration.

5) Independent Study must be conducted in English.

6) After registering for an independent study, a student must complete the independent study proposal, proposal examination, and the final defense which will be evaluated by an independent study committee that is appointed by the board of Sirindhorn International Institute of Technology.

7) The qualifications of Independent Study advisors and examination committee members must meet the standards set by the Graduate School Program of the Office of the Higher Education Commission.

8) The independent study examination and evaluation are in accordance with the rules and regulations of Sirindhorn International Institute of Technology.

Requirements for completing the Master's Program in Artificial Intelligence and Internet of Things, Major: Applied AI

1) Pass the Comprehensive Examination.

2) Complete all required courses according to the curriculum and earn a minimum of 36 credits.

3) Complete 18 credits of core courses and 12 credits of elective courses with a grade of C or higher in each course.

4) Achieve a cumulative GPA of at least 3.00 on a 4.00 scale.

5) Receive a grade of S (Satisfactory) in the Independent Study (6 credits), evaluated by a committee appointed by Sirindhorn International Institute of Technology.

6) Ensure that the Independent Study report, or a part of it, is published in an accessible format.

7) Pass both the proposal examination and the final defense examination, evaluated by a committee appointed by Sirindhorn International Institute of Technology.

8) Satisfy the English proficiency requirements in accordance with the guidelines outlined in the Sirindhorn International Institute of Technology Announcement.

9) Comply with any additional conditions set by Sirindhorn International Institute of Technology.

10) Settle all financial obligations with Sirindhorn International Institute of Technology.

Requirements for regrading in TUXSA System

1) Regrading process can be done in TUXSA system only. After being transferred to a student's transcript, the grades cannot be adjusted.

2) Regrading is only allowed for grades below B.

3) When a student re-enrolls a course, the system will immediately withdraw the previous result, and when the process is done, the system will only record the new grade.

4) Course and examination fees must be paid every time a student regrades.

5) A student who regrades must complete the examination of each subject to collect credits within 2 years from the registration date.

6) Since there might be changes in availability of certain courses in the future, a student who would like to regrade has to re-enroll and complete the exams of those courses to earn the credits before the courses are no longer available.

Other requirements

1) A student must complete the examination of each subject enrolled to collect credits within 2 years from the registration date.

2) Credits of elective courses and core courses must be transferred to a Thammasat University student's transcript within 10 and 8 years respectively.

3) After obtaining a Thammasat University student status, a student must complete the graduation requirements within 5 years from the registration date.

For more information, please visit www.SkillLane.com/Tuxsa, Facebook Page: TUXSA Official, Line: @TUXSA, and refer to the following documents: ข้อบังคับมหาวิทยาลัยธรรมศาสตร์ว่าด้วยการศึกษาระดับบัณฑิตศึกษา พ.ศ. 2561 (here), ระเบียบมหาวิทยาลัยธรรมศาสตร์ว่าด้วยวิทยานิพนธ์สารนิพนธ์และการค้นคว้าอิสระ พ.ศ. 2559 (here), Sirindhorn International Institute of Technology (SIIT) Institute Announcement of Criteria for Satisfying the English Language Requirements for Admission of Graduate Degree Students 2023 (B.E. 2566) (here) and Sirindhorn International Institute of Technology (SIIT) Institute Announcement of Criteria for Satisfying the English Language Requirements of Master's Degree Students 2021 (B.E.2564) (here)

Version dated May 19, 2025

The details in this document are subject to change without prior notice.

This program has been approved by the Office of the Permanent Secretary of the Ministry of Higher Education, Science, Research and Innovation (OPS MHESI) and has received qualification certification for graduates from the Office of the Civil Service Commission (OCSC).