



國立臺灣師範大學教務處教學發展中心

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Guide to studying at NTNU

NTNU

2025
課業篇

大學如何學



《A Guide Book for Undergraduate Students, NTNU》

- How long does it take to graduate?
- How many degrees can I get?
- Can I study in another language?
- Do I always have to be in Taiwan to earn my degree?
- Is there continuing education post-graduation?
- Does learning always have to be inside classrooms?
- How to use AI collaboration to improve learning efficiency?
- What will violate academic ethics?
- Plan Your Study Ahead

2025

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Guide to Studying at NTNU

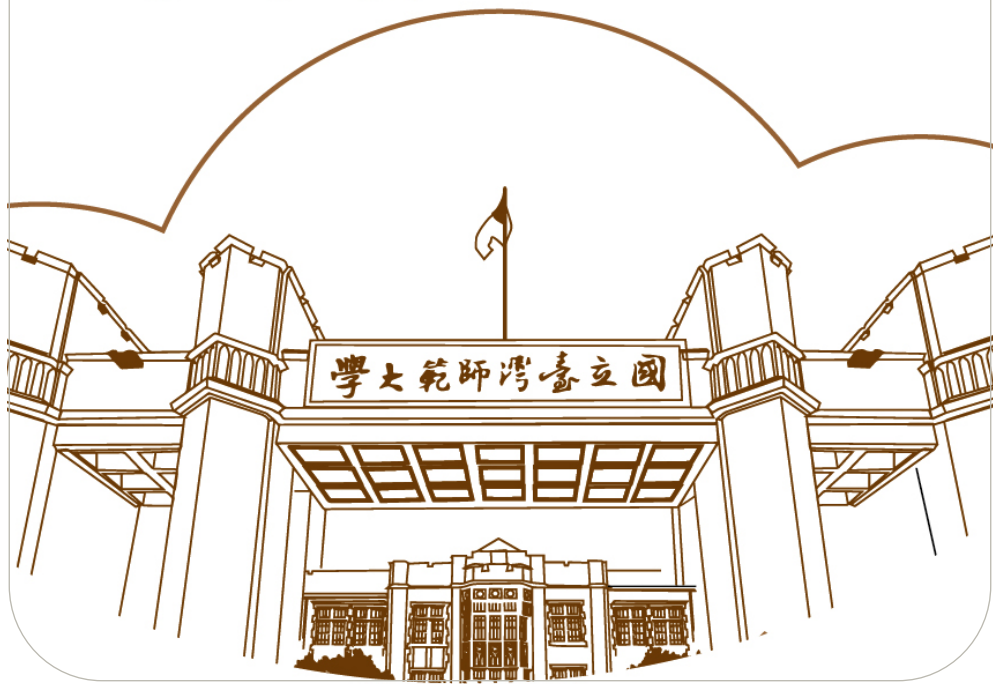
NTNU

2025

課業篇

大學

如何學





How long does it take to graduate?...04

1. Graduation Requirements.....	05
2. Course Selection Regulations.....	06
3. Course Selection Strategies.....	06
4. Cross-University Course Selection.....	07
5. How to Graduate Early?.....	09
6. Causes of Delayed Graduation.....	10
7. Stage-based Thinking and the Learning Map.....	11



How many degrees can I get?...12

1. Double Major , Minor.....	13
2. Intercollegiate Double Major and Minor.....	13
3. Inter-disciplinary Program.....	14
4. Teacher Education Program.....	18
5. University Interdisciplinary Bachelor Program.....	20



Can I study in another language?...22

1. Introduction to the Common Core English Course Framework: English I, English II, and English III.....	23
2. Waiving General English Courses Requirements.....	24
3. English Enhancement Activities.....	25
4. Financial Awards for Student Participation in BESTEP & Incentives for Students of NTNU Enrolled in English Language Courses.....	26
5. Academic English Writing and Speaking Tutoring.....	27
6. Academic English Writing and Speaking Self-learning Materials.....	28
7. English Reading Group.....	29



Do I always have to be in Taiwan to earn my degree?...30

1. Dual Degrees 31
2. Exchange Students 31
3. Short-term International Exchange Funding 32
4. Going Abroad 35



Is there continuing education post-graduation?...36

1. Applying to Master's Program 37
2. Direct Admission to Master's and Doctoral Programs 38



Does learning always have to be inside classrooms?

1. Self-Directed Learning 79
2. Moodle – A Digital Learning Platform 83
3. Office Hours 83
4. Libraries 83
5. Study Groups 83
6. Reading Groups 85
7. Conferences, Workshops, Lectures 87
8. Industry Internships 87



How to use AI collaboration to improve learning efficiency?.....89



What will violate academic ethics?.....93



Plan Your Study Ahead.....96

CH1

How long does it take to graduate?



Experience Sharing



I know that most people tend to think negatively about delaying graduation. Actually, I also thought so before I delayed my own graduation. But in the four years of college, I have completed a teacher education program, and also took the opportunity to go abroad for exchange. In the end, what I have gotten by delaying my graduation was a lot more than what I would have gotten if I graduated on time.

For example, a lot of people in my department thought that it was a lot of hassle to complete the teacher education program, not to mention the need to go student-teach, and intern in schools and administration. But many people still worked very hard to be qualified in Teachers Education. They spent a lot of extra time to learn, just to cultivate one extra skill. I think this is a right and a qualification that a student in the normal university system should be pursuing.

Whether or not to go abroad for exchange is a complicated issue. The bonus is I will be able to go and see the world, and learn the cultures of different countries. The down side is there is a lot of preparation work. Going abroad may also lead to problems like maladaptation. The most important thing is, if they did not calculate the credits right, it would not be as simple as just delaying graduation for a year.

The choice of not finishing college in four years: To me, delaying graduation is not something to be ashamed of. Instead, it is a manifestation of having more learning opportunities. I hope all the students who come after me will find a plan that best suit their needs.

Dept. of Chinese



(1) Graduation Requirements

Congratulations on being a member of the NTNU family!

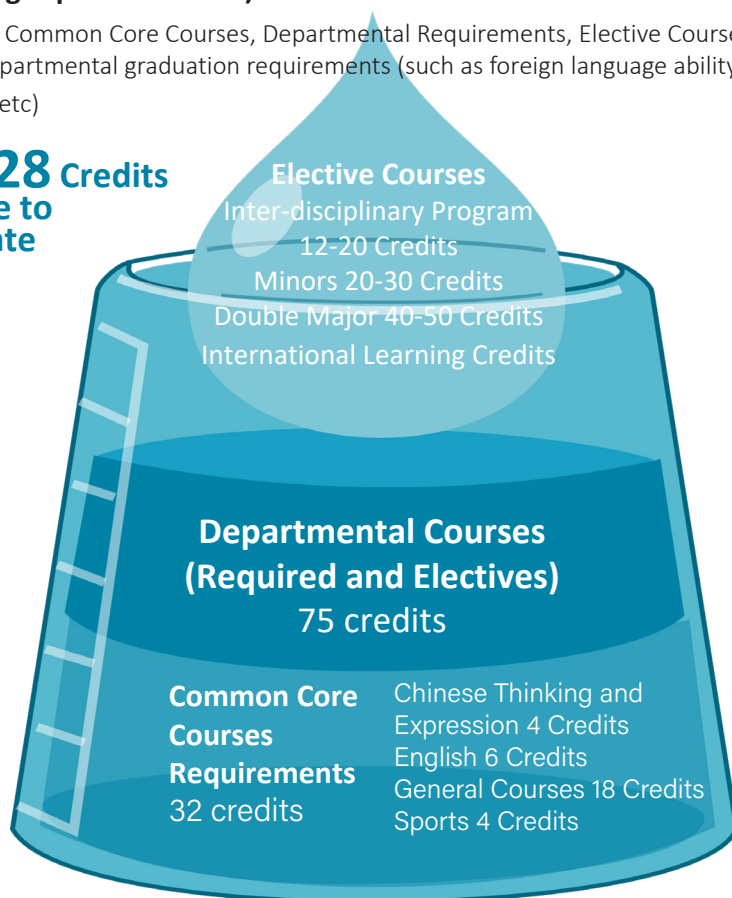
With all the excitement of leaving home and starting next adventure, your future is full of possibilities.

But before starting your independent life at NTNU, you must know what you need to do to get a university degree. Below is a brief description of the graduation requirements. We would suggest that you make good use of the 21 elective credits to add value to your studies.

Basic Requirement: must earn at least 128 Credits (excluding repeated course)

■ Including Common Core Courses, Departmental Requirements, Elective Courses + Other departmental graduation requirements (such as foreign language ability or internship etc)

**Min. 128 Credits
Require to
Graduate**



【NTNU Bachelor's Degree Graduation Requirements】



Strengthen Foreign Language Proficiency

- Even if the student has earned 128 credits, he/she will not be eligible for graduation if departmental/degree program requirements were not met (e.g., foreign language proficiency). This will prevent them from getting their diploma!
- Foreign language proficiency is extremely important to your future. We strongly recommend students to come up with a foreign language improvement plan.
- To strengthen our students' English proficiency, the university has provided many learning resources, such as the English enhancing activities of Foreign Language Division of Common Core Education, academic English writing and speaking tutoring, language learning resources from the library, and English certification exam subsidies (See Chapter 3 for details).

(2)Course Selection Regulations

A minimum of 16 credits per semester must be maintained for the first three years of students' undergraduate studies. In the last year of their study, undergraduate students must take on at least 9 credits per semester. Students who fail to maintain this minimum levels of credits without applying for credit hour reduction may be suspended from their studies.

Regulations on Credit Course Load



With the exception of graduating students, all undergraduates should take no less than 16 credits, and no more than 27 credits per semester. Graduating students should take no less than 9 credits per semester. Exceptions can be made with the permission of the department chair.

(3)Course Selection Strategies

It is a student's right to seek and receive help from their academic advisors regarding their future life plans and course selections. Students should know what courses are offered in the coming semester, be familiar with all the rules regarding the different stages of course selection, and plan ahead based on their future goals.

Curriculum Division  02-7749-1114

For more information, please see the Course Selection page on the Office of Academic Affairs website.

<https://www.aa.ntnu.edu.tw/en/selectives/Dayschool>





To get into the courses you want, please...

★ **First Stage**

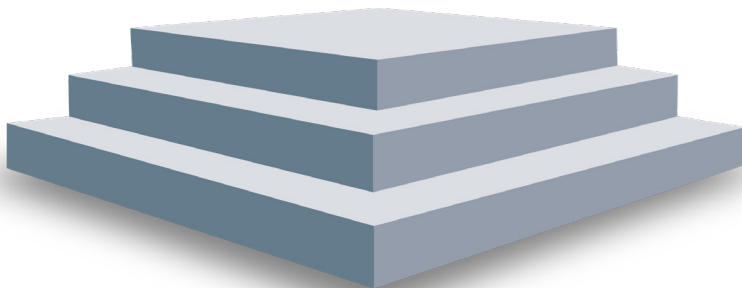
- List as many courses as possible in your course wish list for Sports, General Education, and Teacher Education Courses. The more courses you put on your course wish list, the higher the chance you have for getting into the courses you want.
- Understand course assignment's order of precedence
(Requirements → Sports → Teacher Education → Common Core → Electives → Courses of NTU System Universities)

★★ **Second Stage**

- Make use of the maximum credit limit. The more courses you put in your course wish list, the higher the chance you have for getting into the courses you want.

★★★ **University-Wide Stage**

- Make use of course authorization codes. Familiarize yourself with the rules on authorization code use.





(4) Inter-University Course Selection-- You are also a member of the National Taiwan University System (NTU System)



— NTU SYSTEM —

- ◆ Learning without borders! In addition to courses from NTNU, taking courses from other universities can also enhance your learning! All courses made available to the NTU System are also available in the NTNU course selection system. Any course not found in the course selection system is not open to NTNU students. In the case, students may request for an authorization code from the course instructor to enroll in these courses if needed.
- ◆ For courses offered in non-NTU System universities, under the condition that a similar course is not offered in NTNU in the current semester, students may apply for Inter-university course selection with the permission of the department chair. Students should know the rules regarding inter-university course selection and relevant deadlines before applying.

General Rules:

1. Credits earned through non-NTNU courses should be no more than one-third of the minimum total graduation credits.
2. Inter-University course selection will only be approved for courses not offered by NTNU during the semester concerned.

NTU System Universities: National Taiwan University, National Taiwan Normal University, National Taiwan University of Science and Technology

Instructions for NTU System Course Selection: <https://www.aa.ntnu.edu.tw/en/selectives/Dayschool/Intercollegiate>

Curriculum Division: 02-7749-1114





(5) How to Graduate Early?

If you have a clear idea of what your interests are and clear career path, then you may consider early graduation. You can start your career early, pursue advanced degrees, or study abroad

Requirements for Early Graduation	Timeline
Students who have completed the required courses and credits of relevant undergraduate program and have fulfilled relevant graduation requirements may apply for early graduation	Application for early graduation may be submitted in the second semester of the junior year or the first semester of the senior year.



Characteristics of Students Who Graduated Early

- Have a Clear Academic Plan
- Understand the Rules of the University and Department
- Manage Time Well
- Are not Afraid to Seek Assistance From Professors and Other Students
- Are Highly Motivated to Learn



(6) Causes of Delayed Graduation

You may not be able to graduate in 4 years on time. The reasons for delayed graduation are not always bad, but youth is short, so treasure it and manage it properly!

Causes of Delayed Graduation	Extension
1. Interdisciplinary Learning: Double Major, Minor, Inter-disciplinary Programs, Teacher Education Programs	For bachelor's degree, at the end of their 4th years in the university, students may extend their term of study by two (2) years with approval
2. Personal Plans: Such as overseas study- exchange	
3. Failure to meet the graduation requirements of the undergraduate program	



To graduate on time, please keep the following Tips in mind:

- ➡ Familiarize yourself with graduation requirements
- ➡ Maintain a healthy daily routine
- ➡ Maintain a study-life balance
- ➡ Find your true passion (in your major and courses)
- ➡ Seek assistance if you have any problems (e.g., study, family, health, love-life, etc.)





(7) Stage-based thinking and the learning map

Senior Year

- Apply to graduate schools
- Apply to study abroad Find a job

Junior Year

- Consider early graduation
- Apply to Direct Admission for Master's or Doctoral Programs
- To continue further studies domestically, or go abroad?

Sophomore Year

- Go abroad as an exchange student?
- Dual Degrees?

Freshmen Year

- Does your major match your interests?
- Double major? Minor? Inter-disciplinary Program?
- Take relevant tests such as TOEFL, TOEIC etc.



Stage-based Planning
and Key Thinking
Points



Experience Sharing



Double majoring is having two majors. If successful, I will get two bachelor's degrees instead of just one.

I'm a senior in the Department of Graphic Arts and Communications. I love the fields of design, multimedia, and communication. I also like business. The greedy side of me decided that I will double major in Business Administration.

Although it was quite stressful, my horizon has also widened. I met a lot of new friends. I also realized just how big the gulf is between the two fields. At the same time, I also found a lot of new knowledge worth of exploring.

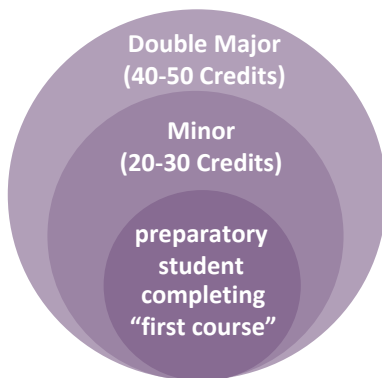
There is a surge in demand for π -shaped talent in the future job market. This kind of people can adapt to all kinds of circumstances because they are not only well-versed in two specializations, but can also understand various other fields. This will allow each specialization to make up what the other lacked. If you want to be a π -shaped person, or simply have a wide range of interests, double major, minor, or Inter-disciplinary programs will all be good choices for you.

Going to college is a once in a lifetime opportunity, so of course you should grab the chance to learn as much as you can!

Dept. of Graphic Arts and Communications



NTNU undergraduates years 1-4 (not including delayed graduation students) only need to complete and pass the preparatory courses specified by the relevant department to register as a preparatory student of the department. If the student continues to study within the department's curriculum, accumulating eight (8) credits for a minor or 16 credits for a double major, the system will automatically determine if the student qualifies for a minor or double major in the department to which they transferred.



(1) Double Major , Minor

How to apply?	Number of Credits	Max. Number
<ul style="list-style-type: none">•See announcements from the academic calendar and the Office of Academic Affairs.•Application and departmental approval required for certain majors. (please refer to the department announcements)	<ul style="list-style-type: none">•Double Major :40-50 credits•Minor : 20-30 credits	One double major or minor only including Interdisciplinary Learning.

(2) Cross-University , Minor



How to apply?	Number of Credits	Max. Number
<ul style="list-style-type: none">•Students can use the online application system every June to apply to each respective university , and should be approved by both NTNU and the receiving university.•Application and departmental approval required for all majors.	Complete the required courses and the number of credits.	One double major or minor only including Interdisciplinary Learning.



(3) Inter-disciplinary Programs

- Do you want to be a highly sought after interdisciplinary talent?
- NTNU is now offering Inter-disciplinary Programs in 9 thematic fields, all for your choosing! So come and take a look! come and take a look!



➔ Educational Development, Business Management, Technological Applications, Information Applications, Professional Leadership, Language & Literature, Culture & Creativity, Social Sciences, and International Exchange

- Inter-disciplinary Programs are open to all majors. All current NTNU students may apply. Inter-disciplinary Programs certificates will be issued to those who have completed the required number of credits in accordance with the rules of each Inter-disciplinary Program. rules of each credit program.
- Introduction to NTNU Inter-disciplinary Programs (<https://reurl.cc/NbKgxx>)
- Admissions information for each inter-disciplinary program (<https://reurl.cc/G4D3zW>)
- Intercollegiate Inter-disciplinary Programs : NTNU students may apply for NTU System Intercollegiate Inter-disciplinary Programs . Please see website announcements for details. (<https://www.aca.ntu.edu.tw/UniversityAllianceProgram/>)



Taking the “First Course” for General Education Cross-domain Exploration to help you find your second specialization.

The new interdisciplinary General Education scheme will apply to the incoming freshmen of the 2020 academic year. In the new scheme, “College Common Course” and “Cross-domain Professional Discovery Course” are two types of courses that are designed to be the “first course” for students interested in double majoring and taking on minor.

The “first course” in each department’s double major and minor curriculum framework can be counted towards both General Education credits and the required number of credits for the major or minor.

After completing their “first course”, students may choose to register as a preparatory student of the department if they found the field interesting. If that is not the case, the course may still be counted as a general education credit. So students can be free to explore different fields without any worries.

For details, please refer to the announcements on the Center for General Education website.





(3) Inter-disciplinary Programs

Theme	Credit Programs
Educational Development	Program of PASSION Quality Education in Rural Schools, Program of Strength and Conditioning, Program of Music-assisted Guidance and Special Education, Program of Indigenous Education and Culture, Program in Philosophy, Program of Cultivating Seniors Service Talent in Community, Program of International Baccalaureate Educator Certificate-International Physics Education, Program of International Baccalaureate Educator Certificate, Program of International Baccalaureate Educator Certificate-Chinese Language Education, Program of International Baccalaureate Educator Certificate-International Mathematics
Business Management	Program of Entrepreneurship, Program of Sustainable Management, Program of Finance, Program of Business Data Analysis, Program of International Trade and Foreign Affairs, Program of Fundamental Management
Technological Applications	Program of Astronomy and Gravitation, Program of Solar Energy Engineering, Program of Technology-assisted Teaching Industry, Program of Scientific Computation, Program of Region and Tourism Planning, Program of STEM Innovation and Practices, EMI Program of Scientific Computing and Interdisciplinary Application, Program of Injury Prevention and Athletic Training, Program of Environmental Monitoring and Disaster Mitigation, Program of Digital Art and Technology, Program of Computer Music and Audio Technology, Program of Computer Music and Audio Technology, NTNU and TSMC Semiconductor Program, The Program of Sport Technology
Information Applications	Program of Technology and Application of Artificial Intelligence, Program of Geospatial Information Science, Program of Big Data in Education, Program of Information Technology and Applications, Program of Technologies and Applications of Artificial Intelligence, Applied Artificial Intelligence Exploration Program, Artificial Intelligence in Industrial Applications Program, Artificial Intelligence for Computer Vision and Imaging Technology Program, Artificial Intelligence for Natural Language Technology Program
Professional Leadership	Program of Outdoor Adventure Leadership, Program of Club Members Leadership And Empowerment Cultivation, Program of Elite Athletes College
Languages and Literature	Program of Translation and Interpretation, Program of Literature Creation, Program in Japanese as a Foreign Language, The Honors Program in Advanced English, European Cultures and Languages Program, Korean Studies and Language Program
Culture and Creativity	Program of Conservation of Cultural Relics, Program of Transformation of Knowledge and Cultural Production, Interdisciplinary Program For Interior Design Profession
Social Sciences	Program in Society and Communication, Program of Hakka Language and Culture, Program of Economics, The EMI Certificate Program in Environmental Humanities at NTNU, Human Services and Social Work Credit Program
International Exchange	English as a Medium of Instruction Program, Global Footprint Program, Program of International Relations and Diplomacy

CH2

How many degrees can I get?



A must-take general education course in the AI age!

Introduction-level: “Computational Thinking and Programming”



This course is designed for students with no programming experience. It will introduce computational thinking and help you understand how computer programs work and what they can do in daily living. You will develop skills including problem solving, programming, and collaboration through projects.

Features:

1. **Top instructors and teaching assistants**
2. **Cultivating computational thinking and problem solving skills**
3. **Applying programming skills in real-world cases**
4. **Dedicated online learning platforms**

Advanced Courses:

If you already have basic knowledge in programming, you may take advanced courses in the "Logic and Computing" field of general education courses, including “Data Science and Computer Programming”, “Fundamental Programming for Digital Music and Sound Synthesis”, and so on.

Computational Thinking and Programming Education Division (02) 7749-1121



There are a variety of courses in the "Logic and Computing" field of general education. After taking these courses, you may also consider taking our Human-Computer Collaboration and Innovation credit programs that lead you to integrate information technology with several other professional domains such as humanities, arts, education, engineering and so on.

Credit Programs

Foundation

Computational Thinking and Programming **E R R E**
Information Technology and the Way of Life

Information Technology

Data Science and Computer Programming **E R E**

Learn to Code: Images, Animation, and Games **E**

Mobile App Development **E E**

Advanced Applications of Spreadsheets and Programming

Algorithms in Daily Lives **E**

Big Data Programming **E R**

Learning Analytics Tools Implementation Applications **E**

Introduction to Web Programming

Structured Query Language(SQL) and Database Design

Introduction to Python Programming

Interdisciplinary Applications

Scientific Computing

Textual Data Analysis

Computer Programming and Data Analysis in Sports

Advanced Spreadsheet Tools for Business Analysis

Learning Programming for Music **E**

Fundamental Programming for Digital Music and

Sound Synthesis

Biomedical and Health Data Analytics

Data Science in Education Research **E**

Fine Arts and Programming

Digital Storytelling and Learning Technologies

Practical Applications of Generative AI

Data Visualization and Communication

R: required

E: elective

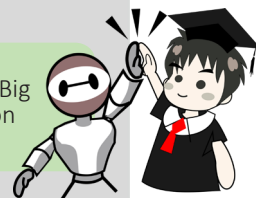
The Program of
Information Technology
and Applications

The Program of
Integrating Digital
Technology into Arts &
Humanities

The Program of
Metaverse
Narrative

The Program of
Computer Music
and Audio
Technology

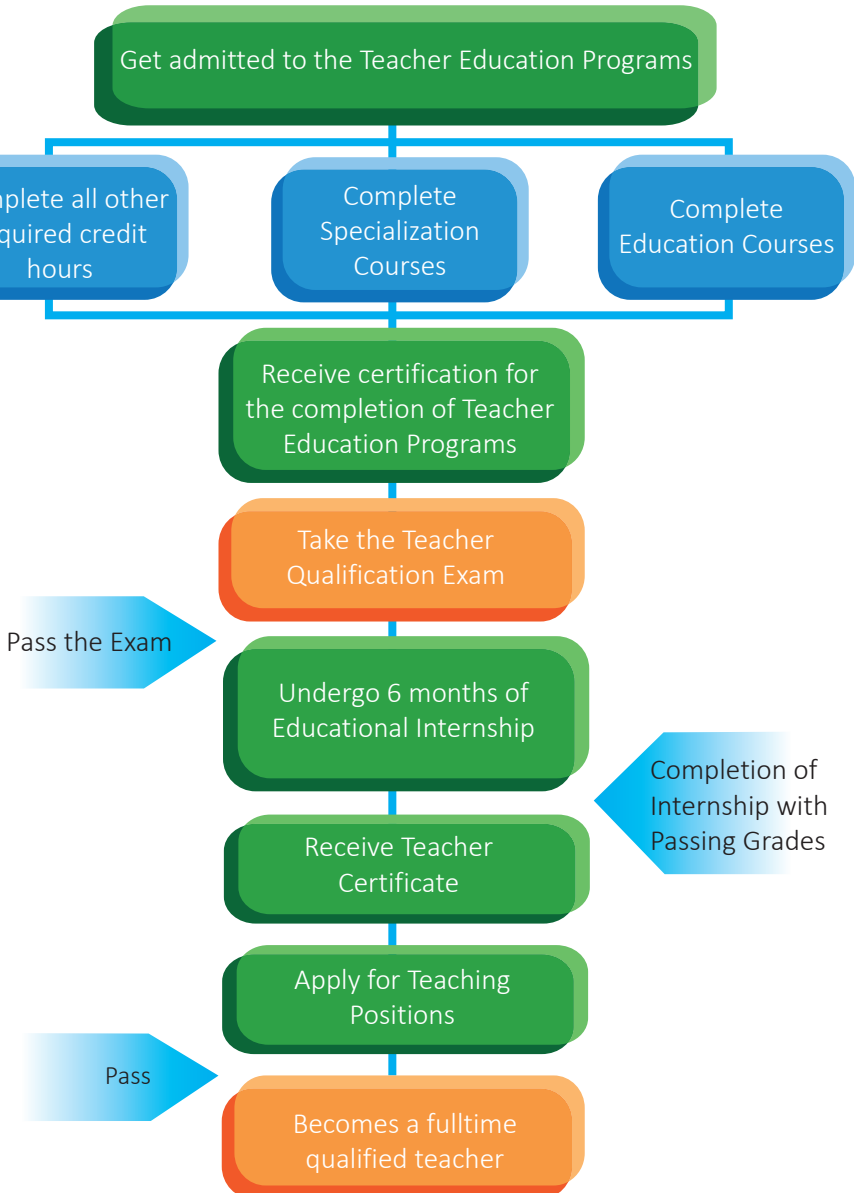
The Program of Big
Data in Education



Two other courses: Smartphone and Open Source in Daily Physics Learning
App Inventor (1 credit)



(4) Teacher Education Program





Pre-service Teacher Education Courses

Courses required by the department of the student's chosen field of specialization. The number of credits may vary from specialization to specialization.

Other Required Courses

Humanities & liberal arts courses and common core courses that are aligned with teaching and education.

Courses required by the education program the student has chosen.

Specialization Courses

Education Courses

Teacher Education Program

Can be annotated a further specialty of bilingual teaching(at least 10 credits)

Education Foundation

Min. 4 credits

Instructional Methods

Min. 8 credits

Educational Practicum

Min. 8 credits

Teacher Training Courses for Bilingual Teaching Min. 10 credits



(5) University Interdisciplinary Bachelor Program



Break Disciplines Boundaries and Shape a Future That Is Uniquely Yours!

Going to college is more than just mastering a single major—it's a gateway to endless possibilities! If you are passionate about interdisciplinary learning or want more career options in the future, the University Interdisciplinary Bachelor Program (UIBP) is the ideal choice!

1. What is UIBP?

UIBP is a degree program that allows you to transcend departmental boundaries and integrate knowledge from diverse fields based on your interests, abilities, and career aspirations. Examples include combining Artificial Intelligence with Elderly Education or Design with Business. NTNU will launch UIBP in the Fall of the 2025–2026 academic year."

2. Who Can Apply?

You will be eligible to apply for UIBP if you are currently enrolled in an undergraduate program at NTNU. However, you must meet specific requirements, including: completing at least 2 credits of interdisciplinary courses outside your department, consulting the Interdisciplinary Academic Advising Office at least once, and submitting a UIBP study plan for review. Upon approval, you will be officially enrolled in the program with a University Interdisciplinary Bachelor designation. However, if you have received an extension of your term of study, you will not be eligible for UIBP.

3. When to Apply?

The application timeline for UIBP follows the same schedule as minors, double majors, and credit programs. Applications are accepted during the second semester of each academic year. Please refer to the academic calendar for the specific application dates for the current semester.



Curious About UIBP? Visit the Official Website!

The University Interdisciplinary Bachelor Program

https://www.aa.ntnu.edu.tw/zh_tw/Academic_Advising_Office/Overview07





4. How Many Credits Are Required for the UIBP Degree?

The UIBP degree requires a minimum of 128 credits, which are distributed among the following four-course categories :

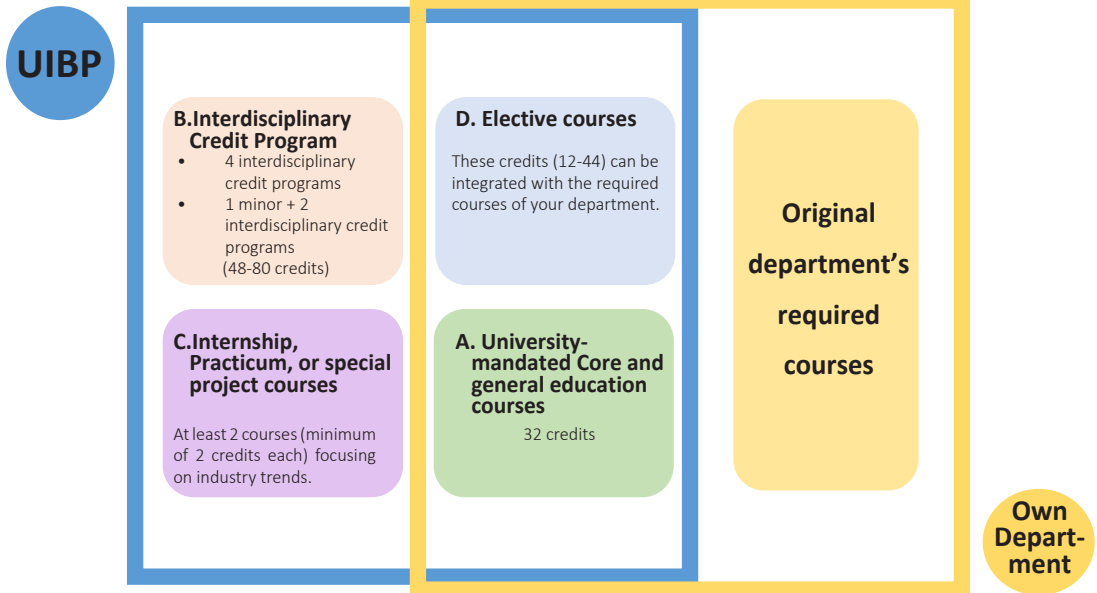
- University-Mandated Core and General Education Courses (Category A: 32 credits)
- Courses in Minor, Interdisciplinary Credit Program, or Professional Credit Program (Category B: 48-80 credits)
- Internship, Practicum, or Special Project Courses (Category C: at least 4 credits)
- Elective Courses (Category D: 12-44 credits)

5. How is the UIBP Degree Structured?

The UIBP degree follows a model similar to a double major. Graduation requires one of these options:

Option 1: One minor + Two interdisciplinary credit programs.

Option 2: Four interdisciplinary credit programs.



University Interdisciplinary Bachelor Program(UIBP) Course Structure



The Bilingual University Project and the National Language Development Project



NTNU was designated as a “The Program on Bilingual Education for Students in College” Focused Development School in 2021 by the Ministry of Education. The Strategic Development Plan of NTNU also stipulates to cultivate our students to become global citizens, intensify the international vision and mobility of our faculty members and students, and develop an international partnership network.

Facing new wave of internationalization and globalization, English proficiency is currently one of the most important abilities for international communication. NTNU implements English Medium Instruction (EMI) in three stages, starting from Foundational English Courses (English for General Purpose, EGP), Academic English in Professional Fields (English for Specific Purpose, ESP), to Cross-disciplinary EMI courses to cultivate students' English academic literacy. EMI related learning resources are described below.

In addition, in 2022, NTNU announced “Teaching Reward Implementation Guidelines for the Promotion of National Language Development” which promotes students can take courses taught in Taiwanese, Hakka, Taiwanese aboriginal languages, Matsu dialect, Taiwanese Sign Language, etc.



(1) Introduction to the Common Core English Course Framework: English I, English II, and English III

New students enrolled after the 2022 academic year must complete and pass English I and English II before they can take English III. In principle, English I and English II will be taught in sequence with the same class. Those who have not completed English I will not be allowed to take English II. Please keep in mind that students who failed English I in accordance with their final grade, but still obtained a grade of D or above, may apply to take English II in the following semester, before retaking English I.

The goal of English I and II is to enhance foundational English proficiency so they are divided into five levels, including foundational, elementary, intermediate, high-intermediate, and advanced. Students are assigned to a class based on their admissions grade but not their department.

The goal of English III is to strengthen students' English expression ability in their professional field and deepen their critical and analytical abilities so that they can get ready for taking EMI course. Therefore, the themes of English III are integrated with each professional field and divided into practice and academic categories for students to choose.

Student's Learning Journey

B2-C1

EMI



EMI

English as a Medium of Instruction

B2

English III



ESAP

English for Specific Academic Purpose

B1-B2

English I & II



EAP

English for Academic Purpose

Required English Courses:

[https://www.aa.ntnu.edu.tw/zh_tw/EducationCommittee/
ForeignLEducation/Commoncompulsory](https://www.aa.ntnu.edu.tw/zh_tw/EducationCommittee/ForeignLEducation/Commoncompulsory)





(2) Waiving General English Courses Requirements

➔ Students with a CEFR B2 English proficiency certificate that meets the required standards in all four skills (listening, reading, speaking, and writing) may apply for a waiver of English I and II. Alternatively, students with a CEFR C1 English proficiency certificate meeting the same standards may apply for a waiver of English I, II, and III.

➔ Students with a certificate in a foreign language other than English at the CEFR B2 level or higher may apply to waive English III.

**ABOUT WAIVING
GENERAL ENGLISH COURSES**

Criteria for Waiving Courses	CEFR Levels of English Proficiency Test (eg: BESTEP, TOEIC, IELTS, GEPT, etc.)
English I & II	B2
English I, II & III	C1

Starting form Fall 2025 (114-1 semester)

Criteria for Waiving Courses	CEFR Levels of Second Foreign Language Proficiency Test (eg: JP, KR, VN, DE, FR, IT, ES etc.)
English III	B2

For more information, visit our website
NTNU FLED 國立臺灣師範大學共同教育委員會外文教育組

Waiving General English Requirements:

[https://www.aa.ntnu.edu.tw/zh_tw/EducationCommittee/
ForeignLEducation/WaivingGeneralEnglishRequirements](https://www.aa.ntnu.edu.tw/zh_tw/EducationCommittee/ForeignLEducation/WaivingGeneralEnglishRequirements)





(3) English Enhancement Activities

English Chat Room

The English Chat Room is open on weekdays. No appointment is necessary. Students may simply show up and chat with the Speaking Tutor on duty. The group mode increases speaking opportunities, enhancing English speaking skills.



English Workshop

To provide students with a chance to enhance their English proficiency, the Foreign Language Division of Common Core Education also holds several English workshops each semester.



English Competition

The Foreign Language Division of Common Core Education regularly holds university-wide English competitions with big prizes, so come and take on the challenge!

- Three-minute English Presentation Competition
- English Dubbing Contest



共教外文組網站：https://www.aa.ntnu.edu.tw/zh_tw/EducationCommittee/ForeignLEducation





(4) Financial Awards for Student Participation in BESTEP & Incentives for Students of NTNU Enrolled in English Language Courses



Financial Awards for Student Participation in BESTEP

For the first-year students of the University, students whose English listening/reading test scores or speaking/writing test scores achieve the level of CEFR B2 (score equivalency between the two certification bodies shall follow the standards announced by the organizing body for BESTEP) shall be eligible to apply for an award of NT\$2,000. Each student can only apply once for each test category, respectively listening/reading and speaking/writing test.



Incentives for Students of NTNU Enrolled in English Language Courses

Undergraduate and graduate students while being enrolled as an NTNU student have take the series of courses in the English language proficiency examination approved by NTNU Extension, School of Continuing Education will qualify for a reimbursement of their course registration fees. The quantum of incentives per student is capped at NT\$5,000.

共教外文組網站：https://www.aa.ntnu.edu.tw/zh_tw/EducationCommittee/ForeignLEducation





(5) Academic English Writing and Speaking Tutoring

The Center for Academic Literacy (CAL) employs master's and doctoral tutors from various countries and disciplines to provide students with one-on-one academic English tutoring, self-study resources and academic English enhancement activities. Additionally, CAL collaborates with NTNU's EMI faculty to offer group tutoring services. Since 2023, CAL has further integrated AI tools into tutoring service to simultaneously enhance students' academic English speaking and writing skills.

English Academic Writing Tutoring: CAL tutors provide guidance on the structure, logical flow, grammar, word choice, and formatting of English papers, reports, and assignments. Exclude services for translation, verbatim editing, proofreading, or general polishing services.

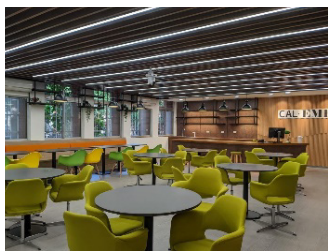
English Academic Speaking Tutoring: CAL tutors provide guidance on topics, wording, meaning, context, grammar, and pronunciation for English class discussions and presentations, thesis presentations and oral defenses, and interviews for graduate programs and exchange applications. Exclude services for tutoring on job interviews, workplace conversations, or daily conversations.

(1) Service Hours: 10:00 AM – 12:00 PM, 2:00 PM – 4:00 PM

(2) Service Locations: Main Campus (Pu 101 Room) / Gongguan Campus Library (3rd Floor Tutoring Room) / Online Tutoring

(3) Booking: Through the CAL website (walk-in appointments are not available).

(4) Contact Information: 02-7749-5903 or calntnu101@gmail.com



CAL Website :

<https://www.cal.ntnu.edu.tw/>

CAL FB page :

<https://www.facebook.com/ntnuca1>

Tutoring scheduling system :

<https://ntnu.mywconline.com/>

Website



FB page



Tutoring scheduling





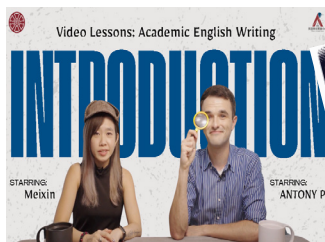
(6) Academic English Writing and Speaking Self-learning Materials

Students can improve their academic English writing and speaking skills through self-learning materials developed by the Center for Academic Literacy (CAL).

- Video Lessons “*Academic Presentation Skills*” for improving academic English speaking skills
- Video Lessons “*Academic Writing Skills*” for improving academic English writing skills
- Podcasts Show “*Spill the Tea: The Yin and Yang in Grad School*” for exploring graduate students’ academic journeys
- Book for Academic Writing - English Edition “*Crack the Case, Not Your Head: A Beginner's Guide to Solving Your Thesis Puzzle*”
- Book for Academic Writing - Mandarin Edition 《學術英語寫作專書中文版《破案而非破頭：論文解謎初學者指南》



[Academic Presentation Skills] Lesson 10: Showtime! | NTNU CAL



“*Academic Presentation Skills*”(10 episodes, each lasting 10–12 minutes.)

“*Academic Writing Skills*”, consisting of five episodes (each lasting 10-12 minutes), can be used alongside the companion book.

self-learning materials



CAL YouTube Channel





(7) English Reading Group

Do you want to improve your English reading and speaking proficiencies further? Through English Reading Groups, you will be able to meet students from all over the world. With a wide range of topics and flexible schedules, English Reading Groups will help you read and speak English with ease!



Please contact the Library for any inquiries : libservice@ntnu.edu.tw
02-77495250



Experience Sharing



When I was trying to decide whether to go abroad for graduate schools, I asked myself the 3Ws (Why, Where, and What). I wanted to examine why I want to go abroad, where I want to go, and what I want to study? As soon as I have made up my mind, I started preparing. In the 2nd semester of my junior year, other than helping my professor do research, I basically stopped attending department activities. I started studying English day and night. During breaks, I would also look for information on schools in the US, prepare my CV and so on. Because I did hire a professional study-abroad service, I would use Excel to make a chart of all the information I gathered, and list their application requirements and deadlines. Moreover, I also actively searched for additional information, asked friends and family who are currently studying abroad or had been abroad for relevant information, and help me check my English papers.

“Why not?” is what my Turkish friend said. She was studying Chinese here in Taiwan and I asked her how she got the courage to come, especially since she decided to come simply because of a Taiwanese TV drama. But she countered by asking me why not? We only live once. When we want to do something, no matter what it is, we should always try our best to realize it. So whenever I get indecisive, fear the unknown, and hesitate to leave my comfort zone, I would always think of these two words, so why not give ourselves a chance?

Department of Civic Education and Leadership



Young wo/man, your stage is not here in Taiwan, it's in the world! With NTNU's partner institutions all over the globe, give yourself a chance to explore the world!



(1) Dual Degrees

- To receive two degrees from two universities, the student must meet all the qualifications and graduation requirements of both universities.
- Dual Degrees at NTNU can be a 3+2 years Bachelor-Master's Dual Degrees, 1+1 years Master's Dual Degrees or a 2+2 Doctorate's Dual Degrees .

(2) Exchange Students

- Students would pay NTNU tuition while broadening one's horizon through studying and living overseas.
- Students are required to take at least two courses or 6 credit hours during their exchange.

NTNU Partner Institutions Overview (as of Mar. 03,2025)

	Americas	Europe	Asia	Africa	Oceania	Total
# of Countries	6	23	14	1	2	46
Partner institutions	70	115	233	1	13	432
MOU	81	134	320	1	15	551
Student Exchange	35	105	211	-	5	356
Faculty Exchange	14	15	16	-	2	47
Dual Degree	14	10	23	-	-	47
Other	9	1	6	-	-	16

For short-term study abroad information,
please visit the Office of International
Affairs website :
<https://bds.oia.ntnu.edu.tw/bds/web/outgoing-info>



Joint degree information : skywang@ntnu.edu.tw

Outgoing Exchange information : outgoing@deps.ntnu.edu.tw



3.Short-term International Exchange Funding

◎Individual application

Ministry of Education



Scholarships for Excellent Students to Study Abroad

Will send selected students overseas to study in foreign universities. (Foreign universities, excluding universities in Mainland China, Hong Kong, and Macau, must be listed in the MOE Reference Register)

In principle, the duration shall be one semester (quarter) or one academic year. Funding range will be between NT\$60,000 and NT\$120,000 per person.

Details will be announced by the NTNU Office of International Affairs in November of each year. Deadline for applications will be the end of February each year.

Hardships for Students to Study Abroad

Help send selected underprivileged students overseas to study in foreign universities. (Foreign universities, excluding universities in Mainland China, Hong Kong, and Macau, must be listed in the MOE Reference Register)

In principle, the duration shall be one semester (quarter) or one academic year. MOE will determine the amount of funding in a case-by-case basis.

Details will be announced by the NTNU Office of International Affairs in November of each year. Deadline for applications will be the end of February each year.



◎ Individual application

NTNU

Scholarships for Students to Study Abroad

Help send selected students overseas to study in foreign universities. (including universities in Mainland China, Hong Kong, and Macau)

In principle, the duration shall be one semester or one academic year.

The NTNU Office of International Affairs will announce the details and start receiving applications in April and October of each year.

NTNU Chen Guang (Morning Light) Subsidies on Overseas Study

Help send selected underprivileged students overseas to study in Mainland Chinese, Hong Kong, and Macau universities.

In principle, the duration shall be one semester or one academic year.

The NTNU Office of International Affairs will announce the details and start receiving applications in April and October of each year.

- International Education/ Exchange Division 、 Subsidies on Overseas Study information : oiagrants@ntnu.edu.tw
- Chen Guang (Morning Light) Subsidies on Overseas Study information : e51014@ntnu.edu.tw



◎Department application

Ministry of Education



Overseas Internship Program

Internships in corporations and organizations abroad for outstanding students (excluding New Southbound Policy countries, Mainland China, Hong Kong and Macau)

Minimum term is 30 continuous days.

The Office of International Affairs of NTNU will publish application information and start accepting applications from departments and institutes in January and July.

The New Southbound Overseas Internship Program

Internships in corporations and organizations with developmental potential in New Southbound Policy countries for outstanding students. (Destination is limited to the 18 countries stipulated in the New Southbound Policy).

Minimum term is 30 continuous days

The Office of International Affairs of NTNU will publish application information and start accepting applications from departments and institutes in January and August.

Overseas Internship Program/ The New Southbound Overseas Internship Program information : e51014@ntnu.edu.tw



(4) Going Abroad

Going abroad to study is not just a dream! Get a head start by preparing as soon as you enter the university



1. Find your ideal university Find a major and university that best suit you through attending fairs, browsing university ranking websites and forums, consulting professional agencies, and asking those who had similar experiences.
2. Browse the application information of each university After narrowing down to a few candidate universities, go online and check out their admissions information. This information can usually be found under the labels of “Prospective Students”, “Students”, or “Admissions”.
3. Examine the requirements Check all the admissions requirements such as GPA, GRE, TOFLE, etc. Some universities will require IELTS. Please also check to see if a portfolio, or other certifications are required. The sooner you know what the requirements are, the more time you will have to prepare for the applications.
4. Schedule your applications The application timeframe of each university or program will be different. Make sure to schedule ahead, this includes taking the necessary tests, and knowing all the deadlines, the number of days required for the application to be delivered, and military draft regulations (if applicable).
5. After you have sent out all the application materials, just sit back and wait for the results!



Experience Sharing



I was admitted into my department's graduate program last year. Although I had thought about not applying, and instead, spend more time to think about whether I should do an internship or apply to other related fields, in the end I still decided that given my abilities, field, and goals, direct admission will be the right choice. This is why I stayed. I think graduate school will be very different from college. The stress and responsibilities will both be greater. So first we have to think if we have a need to go to graduate school. The most common reasons for going to graduate school are wanting to do academic research, or have a higher start salary. Then, we also have to know what to expect in addition to the thesis. For example, how many papers do you have to publish before you can graduate? Do we have to compete in certain competitions? Or are there other administrative issues?

If you are wondering if you should continue your studies after graduation, or are unsure if graduate school is right for you, knowing the answers to these questions will help you decide. This can prevent a lot of unexpected surprises once you get into graduate schools. It is important to explore and find out what you like or what you are good at. After all, you will be spending a lot of time reading literature and writing thesis. Doing something you enjoy will naturally make it easier to stay motivated, and make the whole process more meaningful. So I made myself think about what topics I want to explore before I even got in, to ensure that I wouldn't be running around like a headless chicken, not knowing what I want to do.

Dept. of Technology Application and Human Resource Development



(1) Applying to Master's Program



New student scholarships are available to those who qualify!

	Admission through Application	Admission through Exams	Admission to In-service Programs through Exams
Announcement	Early September each year	Every November	Every November
Exam/Interview Dates	Every October-November	Every February-March	Every February-March
Features	Most departments do not require written exams. Student may be admitted through application and interviews. Students who graduated early may apply to enter their master's program early after they have been admitted (i.e., in February).	Students will be admitted through application reviews, paper-based examinations, and interviews.	Master's programs that are aimed at working professionals. Courses of these programs will be offered in the evenings, weekend, or during summer holidays.



(2) Direct Admission to Master's and Doctoral Programs



Students who are interested in academic research can start early by applying for direct admissions to master's and doctoral programs while they are still in college.

	Direct Admission to Master's Programs (5 year Bachelor's + Master's degrees)	Direct Admission to Doctoral Programs
Timeframe	Every Summer	Every March-April and October-November
Qualification	Students who have completed two years of undergraduate coursework (i.e., Juniors and Seniors) may apply to become a "Master's Degree Advanced Placement Student". All of the master's level credits will be counted towards their Master's Degree if/when these students are admitted to an NTNU Master's Program. However, credits that were counted towards the student's Bachelor's degree will be excluded.	Graduating undergraduates or master's students who excelled in their studies and have shown strong potential in research work, are eligible to apply. Along with the application form, applicants should also submit their transcript and two recommendation letters from professors (assistant professors or above) of their respective fields, departments, institutes, college, or degree programs. Direct Admission into Doctoral Programs have to be approved by relevant departments, institutes, degree programs, and the President of the university. Students may also apply to programs in fields that are different from but are still related to their original field(s) of study.



MEMO





Experience Sharing



There are many kinds of non-traditional ways of learning nowadays, one of which is study groups. Study groups are highly voluntary groups. People will decide on their own if they want to join, and the effect is positively correlated to how deeply involved they are. If students actively participated and had good interactions with their peers, they can get a lot out of this through sharing their own experiences and taking other's thoughts into consideration. This is how a study group can really work. As a founder of a study group, I think study groups can give those who wish to discuss about their classwork outside of classrooms a chance to gather and find the solutions together.

My study group encourages students to learn calculus, and help those who are struggling. We take it step-by-step, and the most basic goal is to help our members get a passing grade. Through starting a study group, using our own free time to learn, and having TAs explain the content and show how the math is done, can give learners a stronger impression, improve their skills through practice, and ultimately give them a sense of accomplishment in learning. Not to mention giving students confidence, and hopefully lead to a broad interest in the sciences.

At the end of the study group, many participants found the experience beneficial. And with the assistance of the study group, with its help sessions before the midterm and the final, they got pretty decent grades. So I think those who want to study outside of the classroom will be quite suited to find a few other likeminded people and form a study group.

Dept. of Mechatronic Engineering



(1) Self-Directed Learning—Create Your Own Personalized College Curriculum

Facing the rapidly changing global trends, future talents need to learn interdisciplinary and diverse knowledge, and possess the spirit of cross-domain exploration and lifelong learning.

Self-Directed Learning curriculum are divided into three types:

① “Self-Directed Learning: Guided Study”

This course is collaboratively constructed by teachers and students, students should propose learning projects during course selection period. Teachers assist students in executing the project.

(<https://www.cge.ntnu.edu.tw/article.php?lang=tw&tb=8&c id=743>)



teacher

- Initiate and promote the course
- Pre-course meeting

- Review the proposals
- Suggestions for modification
- Confirm members of each project group
- Assist the execution of each project

- Grading
- Competition rewards

Pre-course Meeting

Course Selection

Student Proposal

Proposal Grouping

Project Execution

Group Presentation

student

- Course selection
- Seek out partners
- Upload project proposal

- Project management
- Seek consultation
- Claim reimbursement

- Group presentation
- Peer review



② “Self-Directed Learning: Inquiry Study”, “Chinese Writing and Expression: Self-Directed Learning”, “English(III): Self-Directed Learning”

Students can plan a minimum of 32 hours of self-directed learning courses based on their learning needs. The proposal will be reviewed, revised and approved. Through planning and implementation process, they can enhance their problem-solving skills.

(“Self-Directed Learning: Inquiry Study” :

<https://reurl.cc/jQA0yZ>)



(“Chinese Writing and Expression: Self-Directed Learning” :

<https://reurl.cc/oVjMnj>)



(“English(III): Self-Directed Learning” : [https://reurl.](https://reurl.cc/86km6j)

[cc/86km6j](https://reurl.cc/86km6j))



③ Self-Directed Learning: MOOCs (I)(II)

Aligned with international digital courses, students may enroll in courses from various universities on platforms such as Coursera, Udacity, and edX. Up to 4 credits of general self-directed learning (MOOCs) can be recognized.

(<https://www.cge.ntnu.edu.tw/article.php?lang=tw&tb=8&cid=66>)





Your horizon and mind will only broaden and enrich through tireless self-exploration and self-learning

2.Moodle – A Digital Learning Platform

Your classroom is not in a classroom, but on Moodle. In the next four years, Moodle will be a big part of your life. On Moodle, you will see all the syllabi, the progress of the course, assignment instructions, with functions of “Assignments”, “Forums”, “Online Assessments” etc. Currently, all courses and instructors at NTNU have been using Moodle. So always go online and check your Moodle, or be left out of the loop!



Contact Tel : 02-7749-5673

- For details, please go on Moodle : <https://moodle.ntnu.edu.tw/>

3.Office Hours

Full-time instructors who offer courses during the semester have designated office hours every week. During the office hours, students can approach instructors for advice without making a prior appointment. Please use the Course Information System to check the instructors' office hours:



- <https://courseap2.itc.ntnu.edu.tw/acadmOpenCourse/index.jsp>.

4.Libraries

NTNU library boasts a top-tier collection among all Taiwanese universities. Our libraries also offer extensive services to all students and faculties, providing top-notch support to research and learning.



- <https://www.lib.ntnu.edu.tw/>

5.Study Groups

NTNU's Center for Teaching and Learning Development has created a mechanism for students to setup study groups. The groups will be formed by students under the guidance of an instructor, and will aim to help students academically through peer collaboration and mutual assistance.



- Center for Teaching and Learning Development : <https://ctld.ntnu.edu.tw/>



6. Reading Groups



The journey of learning should be enjoyed and shared with likeminded company



To encourage the formation of cohorts and learning through reading, all NTNU students are eligible to form reading groups. A reading group should consist of at least 5 students. Applications and proposals are due within the first two weeks of each semester. Funding will be provided once the applications are approved.



Please contact the Library for any inquiries : libservice@ntnu.edu.tw
02-77495250



7.Seminars, workshops, lectures

Conferences, workshops, and lectures covering a wide range of topics in depth are held on campus throughout the year. Don't miss these exciting learning opportunities—make the most of your college experience!



8.Industry Internships

Step out of your comfort zone and participate in internship courses or programs to gain hands-on experience in your field of study or interest. It's definitely a valuable addition to your resume, and a great opportunity to turn your internship into a job offer.





The rapid development of Generative Artificial Intelligence (Generative AI, hereafter referred to as AI) applications has opened up infinite possibilities for the future while also bringing new challenges to higher education. As university freshmen, learning how to utilize AI tools to assist in studying, enhance learning efficiency, and exercise caution in their reasonable usage to avoid overreliance are all crucial topics that must be addressed upon entering university.

I. What is Generative Artificial Intelligence?

Generative Artificial Intelligence is a model that utilizes vast amounts of data to train machines. Based on given prompts or descriptions, it generates new content such as text, images, audio, and videos. The scope and methods of AI applications vary across different types. The following will focus on explaining its application in student learning.

II. How AI in education can enhance the learning process?

A. Academic Learning:

01 Article Summarization

Utilize AI to analyze text and organize key points, extracting crucial information to provide summaries, thus enhancing reading efficiency and effectively constructing a framework of background knowledge.

02 Enhance Knowledge Base

Through precise prompts, retrieve from AI's extensive database and rich knowledge resources to obtain more comprehensive and contextualized answers, facilitating more efficient knowledge absorption. However, correctness still requires evaluation and judgment.

03 Improve Learning Effectiveness

Utilize AI to provide customized analysis and suggestions based on academic progress and learning abilities, implement adjustments after evaluation, thus assisting in overcoming learning difficulties and enhancing learning efficiency.

04 Offer Diverse Perspectives

Leverage AI's extensive database to provide diverse angles and viewpoints, guiding students in autonomous learning and triggering creative thinking.

B. Assignments/ Reports

01 Article Structure Planning

After entering the topic and expected information of homework or reports, AI can be used to plan the structure of the article, and even provide suggestions for reference materials. However, after obtaining suggestions, it is still necessary to write the initial draft of the article based on one's own knowledge and perspectives. If some of the content is generated by AI, it should be clearly marked, with citations, collaboration, and indication of the range of generated pages.

**02**

Article Rewriting

After completing the initial draft of the article, AI can assist in revising and extending the article. By comparing the original text with the generated text, appropriate content can be selected to clearly express one's own viewpoints.

03

Article Proofreading

When writing articles or reports, AI can be used for proofreading and error correction, refining the text, and improving its quality.

III. Four things to consider when using AI

01

Review Content Credibility

AI tools learn from vast amounts of existing data, which may contain inaccurate information. Therefore, when using these tools, besides learning how to ask precise questions, it's important to actively assess the credibility and effectiveness of the content.

02

Adhere to Academic Integrity

One should uphold honesty, fairness, and objectivity, and self-regulate with the spirit of academic integrity. This entails adhering to relevant laws and ethical codes of conduct, and avoiding inappropriate behaviors such as fabrication, falsification, and plagiarism.

03

Ensure Information Security

Because the content inputted into AI may be recorded and utilized, it is important to use it with caution. Avoid inputting confidential documents or personal information into the dialogue box.

04

Avoid Overreliance

AI tools can enhance efficiency, but it's important to avoid overreliance as the generated text is for reference only. When using them, carefully check the quality and correctness of the content and take responsibility for the final output.

With the rapid development of AI technology, it becomes challenging to anticipate the forms and timing of future technological evolution. Similar to the Industrial Revolution in history, technological advancement not only involves integrating existing resources to meet various needs but also leads humanity towards higher levels of civilizational development.

In this technological wave, let's consciously utilize AI as a learning assistant to shape personalized learning experiences and develop our own paths of self-learning, rather than solely relying on AI. Let's embrace the arrival of AI with an open attitude, making it our learning companion rather than our competitor.

Applications and Reference Guidelines for Generative AI in Learning:

https://ctld.ntnu.edu.tw/generative_ai



CH8

What will violate academic ethics?



Do you have a sufficient level of knowledge about academic ethics?
Please be aware that all of the following are in violation of academic ethics!



Acts that are in violations of Academic Ethics



1. Fabrication: Fabricating nonexistent application information, research data, or research findings
2. Fraud: Altering one's application information, research data, or researching findings.
3. Plagiarism: Make use of other's work in their applications, research data, or research findings without proper citation. Extensive or serious violations of citation rules will be viewed as plagiarism.
4. Ghostwriting
5. Reprinting published works without notation
6. Citing one's own work extensively without proper notation
7. Translating published works without notation



The violations listed here are based on the "Directions for the Resolving of Academic Ethics Cases in Educational Institutions (Junior College and above)".

For complete Directions
(Traditional Chinese only)



Graduate Studies Division, Office of Academic Affairs
TEL: (02) 77491076



MEMO





Map your learning for the next 4 years

		Freshman
Course Plan	University Common Core Education Courses (General Edu., Chinese, Foreign Language, Physical Edu.,...)	
	Departmental Requirements & Electives	
	Electives	
	Double Major, Minor, Inter-disciplinary Program (Completion of at least one departmental Cross-Domain Exploratory Course required)	
International Mobility	International Joint Degrees, Foreign Exchange Programs - Language Assessments (TOEFL, TOEIC, JLPT...) - Other Requirements (Such as transcripts, personal statements [including study plans], other certificates)	
Academic Plan	Early Graduation? Direct Admission to Doctoral Programs or 5-year Bachelor's/Master's Combined Degree Programs?	
Post-graduation Plan	Apply to Graduate Programs? Seek Employment?	



Draft a blueprint for your future!

Sophomore	Junior	Senior



PLAN AHEAD, HAVE FAITH, FOLLOW YOUR HEART
Today is your best starting point!
We wish you a great success !

