

Admission

The Department of Forestry accepts application for Ph.D. program in the Forest Science Division and Wood Science Division. The Forest Science Division includes Forest Biology and Forest Management; the Wood Science Division includes Wood Science with forest metabolites and Renewable Energy. Application information can be obtained from the [Office of International Affairs](#).

Faculty

The department currently has 18 faculty members that include 9 professors, 5 associate professors and 4 assistant professors. Information of the faculty members is listed below:

Division	Name	Title	Highest Academic Degree	Expertise
Forest Science	Tian-Ming Yen	Professor and Department Head	Ph.D., Department of Forestry, National Chung Hsing University	Forest Management, Forest Policy, Quantitative Approaches to Forest Management, Bamboo Forest Management
	Kai-Yi Huang	Professor	Ph.D., Natural Geography/Remote Sensing and Geographic Information System, Indiana State University	Remote Sensing in Forestry, GIS, Natural Geography, Forestry
	Chiung-Pin Liu	Professor	Ph.D., Department of Forestry, National Chung Hsing University	Water Chemistry and Nutrient Cycling in Forest, Environmental Ecology, Ecological Physiology
	Wan-Yu Liu	Professor	Ph.D., Department of Agricultural Economics, National Taiwan University	Forestry and Environmental Economics, Forest Recreation, Forest Resources Evaluation , Climate change, Leisure and Recreation
	Tien-Szu Liao	Associate Professor	Ph.D., Department of Botany, National Chung Hsing University	Silviculture, Ecophysiology, Forest Landscape Programming
	Yen-Hsueh Tseng	Associate Professor	Ph.D., Department of Forestry, National Chung Hsing University	Dendrology, Plant Taxonomy, Landscape Botany

	Hsy-Yu Tzeng	Associate professor	Ph.D., Department of Forestry, National Chung Hsing University	Forest Ecology, Ficus Biology, Plant Taxonomy
	Ying-Hsuan Sun	Assistant Professor	Ph.D., Department of Forestry and Environmental Resources, North Carolina State University, USA.	Genomics, Genetics, Molecular Biology
	Hsiang Ling Chen	Assistant Professor	Ph.D., School of Natural Resources and the Environment, University of Arizona	Conservation Biology, Wildlife Conservation and Management, Road Ecology
Wood Science	Wen-Jau Lee	Professor	Ph.D., Department of Forestry, National Chung Hsing University	Wood Adhesives, Furniture Making, Wood processing and improvement of Wood and Agriculture waste
	Kun-Tsung Lu	Professor	Ph.D., Department of Forestry, National Chung Hsing University	Wood Coatings, Furniture Making, Manufacture and Application of Ecological Carbon and Vinegar
	David Sheng-Yang Wang	University Distinguished Professor	Ph.D., Department of Forestry, National Taiwan University	Plant Metabolomics, Natural Medicine Development, Wood Chemistry
	Jyh-Horng Wu	Professor	Ph.D., Department of Forestry, National Taiwan University	Bio-Based Composites, Wood Material Chemical Modification, Forest Processing
	Yuan-Shing Perng	Professor	Ph.D., Chemical Engineering and Paper pulping, University of British Columbia	Pulping Process, Paper Making, Biomass Energy, Wastewater Engineering, Waste Recycling, Electrochemical Engineering
	Te-Hsin Yang	Associate Professor	Ph.D., Department of Forestry, National Taiwan University	Wood Physics and Mechanics, Wood Anatomy and Identification

	Keng-Tung Wu	Associate professor	Ph.D., Chemical and Biochemical Engineering, University College of London	Biomass Energy Technology, Waste Treatment Technology, Fluidization Engineering, Biostatistics
	Yi-Chun Chen	Assistant Professor	Ph.D., Department of Chemical Engineering, National Tsing Hua University	Preservation and Modification of Biomaterials, Functional Polymer, Nanomaterials
	Teng-Chun Yang	Assistant Professor	Ph.D., Department of Architecture, The University of Tokyo, Japan	Bio-Based Materials Science and Engineering, Structural Analysis, Finite Element Method

Courses Offered

(1)Required course

Subjects	Semester	Credit Hours
Seminar in Forest Management and Administration (III)	Fall /Spring	2
Seminar in Forest Biology and Conservation (III)	Fall /Spring	2
Seminar on Physical Aspects of Forest Products (III)	Fall /Spring	2
Seminar on Chemical Aspects of Forest Products (III)	Fall /Spring	2
Seminar in Forest Management and Administration (IV)	Fall /Spring	2
Seminar in Forest Biology and Conservation (IV)	Fall /Spring	2
Seminar on Physical Aspects of Forest Products (IV)	Fall /Spring	2
Seminar on Chemical Aspects of Forest Products (IV)	Fall /Spring	2
Dissertation	Fall /Spring	12

(2)Elective course

Subjects	Semester	Credit Hours
Advanced Forest Policy	Spring	3
Advanced Forest Management	Fall /Spring	4
Advanced Forest Law	Fall	2
Special Topics in Natural Resource Recreation and Tourism	Spring	3

Research Methods in Silviculture	Fall	3
Advanced Plant Taxonomy	Spring	3

Graduation Qualification

G-32 form: Requirement of obtaining the Ph. D. degree of the Department of Forestry (2016 and beyond)	
Descriptions	Notes
<p>1. Time limit :</p> <p>PhD students must complete their study within 2 to 7 years (excluding 2 year maximum of leave of absence)</p>	Working students who have taken all required courses, but have not completed the thesis may request for one year extension. The aforementioned “working students” refers to those who were admitted through the Working Student Admission Program.
<p>2. Minimum credit hours required for graduation:</p> <p>Regular admission students: 36 credits</p> <p>Direct admission students: 48 credits</p> <p>Course :</p> <p>(1) Regular admission students: a minimum of 4 credits of required courses and a minimum of 20 credits of elective courses.</p> <p>Direct admission students: a minimum of 4 credits of required courses and a minimum of 32 credits of elective courses.</p> <p>(2) Dissertation: 12 credits</p>	<p>The minimum passing mark of the academic and conduct is 70.</p> <p>Students whose conduct failed the passing grade are required to withdraw.</p> <p>The grade of course work account for 50% of the final grade.</p> <p>A maximum 12 credits of master level course can be exempted for the direct admission with a bachelor degree. A maximum of 24 credits can be exempted for the direct admission of student without a bachelor degree.</p> <p>※ Final grade of graduation = grade of required courses + grade of elective courses + grade of dissertation examination</p>
3. Credit exemption: 9 credits maximum	Follow the University’s regulation of credit exemption and apply before the deadline of course add/drop period.
4. Credits of related undergraduate elective courses.	According to the university’s regulation, the advisor and department head oversee the course registration of the students.

			With the approval of the advisor and related committee of the department, the graduate students are allowed to take a maximum of 6 credits of undergraduate courses.
5. Course of other departments recognized by the Department of Forestry: Unlimited, determined by the advisor.			Including courses of other academic institutions.
6. Required course (16 credits total).			
Subject	Credits	Note	
Dissertation	12	All	
Forest Biology and Conservation (III)	2	Required for Forest Biology emphasis	
Forest Biology and Conservation (IV)	2	Required for Forest Biology emphasis	
Seminar in Forest Management and Administration (III)	2	Required for Forest Management emphasis	
Seminar in Forest Management and Administration (IV)	2	Required for Forest Management emphasis	
Seminar on Physical Aspects of Forest Products (III)	2	Required for Wood Physical Property emphasis	
Seminar on Physical Aspects of Forest Products (IV)	2	Required for Wood Physical Property emphasis	
Seminar on Chemical Aspects of Forest Products (III)	2	Required for Wood Chemical Property emphasis	
Seminar on Chemical Aspects of Forest Products (IV)	2	Required for Wood Chemical Property emphasis	
7. Foundation courses assigned by the department that does not count toward the total credit hour earned: none			
8. Evaluation: Students should seek an advisor upon the agreement of the department head before the end of the first year.			Students who fail to secure an advisor before the deadline are required to take the leave of absence for the semester.
9. Ph.D. candidate qualification: Students who fulfill the required course work and meet the minimum required time limit, and has completed the dissertation proposal, outline and basic contents, are			Ph.D. students who fail the qualification exam are not allowed to proceed with the dissertation examination. Ph.D. students who fail the qualification exam for the

allowed to take the qualification exam. Doctoral students are admitted to candidacy with the examination passed by 2/3 of the qualifying exam committee members.	second time will be required to withdraw.
<p>10. Dissertation examination:</p> <p>(1) Graduate students should obtain the certificate of research ethic education recognized by the department before applying for dissertation examination.</p> <p>(2) Upon completing the dissertation draft, the Ph.D. candidate is permitted to apply for the dissertation examination. The application should be submitted 20 days in advance after registration deadline. The passing mark of the dissertation examination is 70.</p>	<p>The dissertation examination account for 50% of the final grade.</p> <p>Graduate students should take the training courses offered by Center of Taiwan Academic Research Ethic Education and obtain the training certificate.</p> <p>Students who fail the dissertation examination and have passed the maximum time requirement are allowed to retake the dissertation examination in the following semester or school year. Students who pass second dissertation examination will have 70 as the final grade. Students who fail the second dissertation examination will be required to withdraw.</p>
<p>11. Others:</p> <p>(1) Should fulfill one of the following as the proof of English proficiency:</p> <p>TOEFL CBT: 173 or iBT: 61 or PBT 500.</p> <p>TOEIC :625</p> <p>General English Proficiency Test (GEPT):</p> <p>High-intermediate level</p> <p>English Composition (I) or Advance English or Technical writing</p> <p>One first author SCI or SSCI publication before dissertation examination</p> <p>(2) At least one first or communicating author of SCI or SSCI publication, or 2 first or communicating author journal articles recognized by the department. (Proof of acceptance required)</p>	<p>Based on Article 2 in NCHU Guidelines for Including English Proficiency as a Graduation Requirement, the English proficiency requirement is specified by each department.</p>

Graduate Students Employment

Year	Number of graduate Students	Full Time - Government	Full Time – Public and Private Enterprise	Full Time - Research Institutions	Full Time - Academics	Part Time - Academics	Full Time - Others	Military Service
2011	3	2					1	
2012	3	1			1	1		
2013	3	1	1		1			
2014	5	2		1	1		1	
2015	3	2						1
2016	5	3			1			1

Career Placement

The mission of the Ph.D. program of the Department of Forestry, NCHU is to cultivate advanced professionals in the areas of sustainable forest conservation, management, and biomaterials development and utilization. Our faculty and professional staff are dedicated to research and education. The department is equipped with the state of the art facilities. The graduates of the department assume leading positions in academics, industry and government. Furthermore, the university is located in middle Taiwan which is convenient for commute. Our program has become the top choice for in-service education of high level forestry professionals.