

Taizhou University



Self-Assessment Report for ASIIN Programme
Accreditation for the Bachelor Degree of
Computer Science and Technology

Appendix D

Syllabus - Bachelor's Thesis

Department of Computer Science and Technology
School of Information Engineering

2025

Syllabus – Bachelor Thesis

Module designation	Bachelor's Thesis
Semester(s) in which the module is taught	8 th semester
Person responsible for the module	Professor Ren Xiangmin
Language	Chinese
Relation to curriculum	<p>Bachelor's degree thesis is an important practical teaching link to achieve the goal of undergraduate training, an educational process to train students to use the knowledge to solve comprehensive problems, and a comprehensive summary and comprehensive training of the knowledge students have learned before graduation. Other teaching links play an irreplaceable role in cultivating college students' innovative consciousness, practical ability and comprehensive quality. Through the comprehensive application of knowledge in academic dissertations, students can improve the analysis and solution of general scientific research and engineering technology problems within the scope of the major, establish correct thesis (design) ideas, master professional design and research skills, and be familiar with the general procedures and methods of designing and conducting thesis experiments; It is to train students in the basic skills necessary for scientific research and engineering technicians, so that students can be competent for scientific research and technical work in mechatronics soon after graduation.</p>
Teaching methods	<p>Target students: students of Computer Science.</p> <p>Type of teaching: Theoretical teaching, experiment/practice teaching and computer practice are arranged by instructors on the basis of each student's specific project.</p> <p>Size of class: each instructor teaches 3-7 students.</p>

Workload (incl. contact hours, self-study hours)	Total workload = 840 hours Contact hours = 240 hours Self-study hours = 600 hours
Credit points	28
Required and recommended prerequisites for joining the module	Complete all theoretical courses and practical courses
Module objectives/intended learning outcomes	<p>Learning outcomes:</p> <ul style="list-style-type: none"> ● Knowledge: Demonstrate understanding of knowledge learned from the programme as well as methods of literature review and research. ● Skill: <ol style="list-style-type: none"> 1. Master the application methods and basic principles of literature retrieval, information query, modern engineering tools and information technology tools. 2. Demonstrate the ability to process and analyse data. 3. Demonstrate the ability to write thesis, design specifications and abstracts. ● Competence: <ol style="list-style-type: none"> 1. Capable of literature retrieval and comprehensive analysis, through the collection of information, literature review, to obtain the latest technical progress in the professional field, to solve the practical problems in the field of mechanical engineering. 2. Be able to consider safety, health, legal, cultural and environmental constraints in the design of structures and processes in the field of mechanical engineering.
Content	<p>Stage 1 Topic choose (40 contact hours; 60 self-study hours)</p> <ul style="list-style-type: none"> ● Relying on the online selection system, teachers set up a prescribed number of questions, and after the subject management review, the topic of the bachelor's degree thesis is open to students.

	<p>Stage 2 Research, literature search and program design</p> <p>(40 contact hours; 90 self-study hours)</p> <ul style="list-style-type: none"> ● Through research and literature review (more than 10 articles are required), be familiar with the major literature journals and magazines of the major and their review methods, or complete the literature review designated by the teacher. ● On the basis of consulting the relevant literature, write the proposal report, including the purpose and significance of the project, the research status and existing problems, the overall design of the program and the analysis of the principle characteristics. <p>Stage 3 Theoretical analysis and calculation, software and hardware design</p> <p>(50 contact hours; 110 self-study hours)</p> <ul style="list-style-type: none"> ● Use the basic theory and professional knowledge to carry out the correct calculation analysis and design, including the necessary test analysis, computer calculation or simulation debugging analysis, as well as the necessary control circuit, mechanical structure, experimental device structure drawings. <p>Stage 4 Thesis writing</p> <p>(50 contact hours; 130 self-study hours)</p> <ul style="list-style-type: none"> ● The writing of the bachelor's degree thesis requires clear content, rigorous argument, clear hierarchy, smooth sentences, correct font, exact expression, and all print in accordance with the prescribed format. <p>Stage 5 Examination of defence qualification</p> <p>(10 contact hours; 50 self-study hours)</p> <ul style="list-style-type: none"> ● According to the requirements of Suqian University Graduation Project (thesis) work Regulations, the quality of students' graduation thesis is strictly required, and the defence qualification examination is conducted through the inspection of instructors and the Internet. <p>Stage 6 Archiving of materials</p>
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	<p>(30 contact hours; 90 self-study hours)</p> <ul style="list-style-type: none"> ● Sorting and filing relevant materials, such as topic selection approval form, task book, proposal report, mid-term examination form (student self-examination and teacher examination, mid-term examination), defence application form, instructor evaluation form, evaluation teacher evaluation form, defence committee evaluation form, etc. <p>Stage 7 Graduation defence</p> <p>(20 contact hours; 70 self-study hours)</p> <ul style="list-style-type: none"> ● Before the defence, students should prepare the speech outline, the necessary structure diagram or device diagram, diagram; When introducing the content of the dissertation, it should be systematic, focus on the key points, concise and to the point, and the speaking time is generally 10 minutes; The time for each student to defend is limited to 20 minutes. If the student fails to pass the graduation defence, a second defence will be arranged. After graduation defence, students will self-evaluate their personal design results, and revise the design results and the problems existing in the defence process.
Examination forms	/
Study and examination requirements	Final score include: Advisor Evaluation (30%), review teacher evaluation (30%), defence group evaluation (40%).
Reading list	Papers and other materials related to the subject of the bachelor's degree.
Data of last amendment	July 9, 2025