



1. 關於本會之宗旨、組織、業務、經費、及一切重要事項，均應由會員大會決議之。  
2. 本會之組織，應由會員大會選舉理事、監事，並得設幹事、幹事長、副幹事長、及辦事處。  
3. 本會之經費，由會員繳納會費，並得向社會募集，其收支情形，應由監事審核，並定期向會員大會報告。  
4. 本會之辦事處，設於本市，其辦事處之組織、業務、及一切重要事項，均應由理事會決議之。  
5. 本會之幹事、幹事長、副幹事長、及辦事處，均應由理事會聘任，其任期由理事會決定之。  
6. 本會之幹事、幹事長、副幹事長、及辦事處，均應遵守本會之章程及理事會之決議。  
7. 本會之幹事、幹事長、副幹事長、及辦事處，均應定期向理事會報告工作情形。  
8. 本會之幹事、幹事長、副幹事長、及辦事處，均應遵守法律及本會之章程。  
9. 本會之幹事、幹事長、副幹事長、及辦事處，均應盡忠職守，不得濫用職權。  
10. 本會之幹事、幹事長、副幹事長、及辦事處，均應遵守社會公德，不得有損本會之聲譽。

第二章 會員

第一條 凡具有中華民國國籍，且在本市居住，年滿二十歲，具有完全行為能力，並符合下列條件者，得為本會會員：  
一、具有本市戶籍。  
二、具有本市居住事實。  
三、具有完全行為能力。  
四、具有本市居住事實。

第二條 凡具有中華民國國籍，且在本市居住，年滿二十歲，具有完全行為能力，並符合下列條件者，得為本會會員：  
一、具有本市戶籍。  
二、具有本市居住事實。  
三、具有完全行為能力。  
四、具有本市居住事實。

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一、具有本市戶籍。  
二、具有本市居住事實。  
三、具有完全行為能力。  
四、具有本市居住事實。

□

第三章 會費

第四條 本會會員應繳納會費，其標準如下：  
一、新會員：每月新台幣一千元。  
二、舊會員：每月新台幣一千元。

第五條 本會會員應繳納會費，其標準如下：  
一、新會員：每月新台幣一千元。  
二、舊會員：每月新台幣一千元。

第六條 本會會員應繳納會費，其標準如下：  
一、新會員：每月新台幣一千元。  
二、舊會員：每月新台幣一千元。

第七條 本會會員應繳納會費，其標準如下：  
一、新會員：每月新台幣一千元。  
二、舊會員：每月新台幣一千元。

第八條 本會會員應繳納會費，其標準如下：  
一、新會員：每月新台幣一千元。  
二、舊會員：每月新台幣一千元。

□

第四章 理事、監事

第九條 本會理事、監事之任期為二年，得連選連任。  
第十條 本會理事、監事之選舉，應由會員大會選舉之。  
第十一條 本會理事、監事之選舉，應由會員大會選舉之。

第十二條 本會理事、監事之選舉，應由會員大會選舉之。

第十三條 本會理事、監事之選舉，應由會員大會選舉之。  
第十四條 本會理事、監事之選舉，應由會員大會選舉之。  
第十五條 本會理事、監事之選舉，應由會員大會選舉之。  
第十六條 本會理事、監事之選舉，應由會員大會選舉之。  
第十七條 本會理事、監事之選舉，應由會員大會選舉之。

第十八條 本會理事、監事之選舉，應由會員大會選舉之。

第十九條 本會理事、監事之選舉，應由會員大會選舉之。  
第二十條 本會理事、監事之選舉，應由會員大會選舉之。

















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## Cluster 3 Specialized subjects Program of Applied Chemistry

Required subjects  
Compulsory Elective subjects

Class Subjects	Credits	Type of course registration	Class Hours/ Week																Note
			1st grade				2nd grade				3rd grade				4th grade				
			Spring		Fall		Spring		Fall		Spring		Fall		Spring		Fall		
			1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	
Inorganic Chemistry	2									4									
Advanced Organic Chemistry I	2						4												
Exercises in Organic Chemistry	1												4						
Exercises in Physical Chemistry	1												4						
Advanced Organic Chemistry II	2							4											
Physical Chemistry II	2						4												
Chemical Experiments I	4									12	12								
Chemical Experiments II	4											12	12						
Advanced Organic Chemistry III	2									4									
Quantum Chemistry I	2							4											
Quantum Chemistry II	2									4									
Advanced Organic Chemistry IV	2											4							
Quantum Chemistry III	2											4							
Chemical Kinetics	2									4									
Organometallic Chemistry	2									4									
Organic Structural Analysis	2									4									
Catalysis Chemistry	2											4							
Synthetic Polymer Chemistry	2									4									
Physical Chemistry III	2									4									
Electrochemistry	2											4							
Solid State Chemistry	2									4									
Applied Inorganic Chemistry	1												2						
Industrial Polymer Chemistry	2											4							
Bioorganic Chemistry	2									4									
Chemical Engineering Exercise I	2						4	4											
Chemical Engineering Fundamentals	2						2	2											
Green Technology	2												4						
Recycling engineering	2												4						
Engineering and ethics	2													4					1
Graduation Thesis	5																		

1 Intensive courses

## Academic Achievements in Chemical Engineering

### The Relationship between Evaluation Items and Evaluation Criteria

Academic achievements		Evaluation criteria		
Evaluation items		Excellent	Very Good	Good
Knowledge and Understanding	(1) Wide range of basic knowledge on liberal arts and specialized education, and professional basic knowledge on chemistry.	Acquiring the wide range of basic knowledge on liberal arts and specialized education, and professional basic knowledge on chemistry, and being able to explain them.	Acquiring the wide range of basic knowledge on liberal arts and specialized education, and professional basic knowledge on chemistry.	Acquiring the outline of wide range of basic knowledge on liberal arts and specialized education, and professional basic knowledge on chemistry.
	(2) Advanced technical knowledge of applied chemistry.	Acquiring the advanced technical knowledge of applied chemistry and being able to explain it.	Acquiring advanced technical knowledge of applied chemistry.	Acquiring the outlines of advanced technical knowledge of applied chemistry.
	(3) The conception ability based on logical thinking supported by basic and technical knowledge.	Acquiring the conception ability based on logical thinking supported by basic and technical knowledge and being able to explain them.	Acquiring the conception ability based on logical thinking supported by basic and technical knowledge.	Acquiring the outline of conception ability based on logical thinking supported by basic and technical knowledge.
Abilities and Skills	(1) The quality to be able to understand technologies and their social effects, and to fulfill the responsibility as researchers engineers to contribute to society.	Acquiring the quality to be able to understand technologies and their social effects, and fulfill the responsibility as researchers engineers to contribute to society. Being able to explain them.	Acquiring the quality to be able to understand technologies and their social effects, and fulfill the responsibility as researchers engineers to contribute to society.	Acquiring the outline of the quality to be able to understand technologies and their social effects, and fulfill the responsibility as researchers engineers to contribute to society.
	(2) The knowledge on economy, safety and reliability of technologies, and the judgment ability to utilize them from global point of view.	Acquiring the knowledge on economy, safety and reliability of technologies and the judgment ability to utilize them from global point of view, and being able to explain them.	Acquiring the knowledge on economy, safety and reliability of technologies and the judgment ability to utilize them from global point of view.	Acquiring the outline of the knowledge on economy, safety and reliability of technologies and the judgment ability to utilize them from global point of view.
	(3) Creativity to solve various problems related to applied chemistry utilizing acquired knowledge and skills	Acquiring the creativity to solve various problems related to applied chemistry utilizing acquired knowledge and skills, and to be able to explain it.	Acquiring the creativity to solve various problems related to applied chemistry utilizing acquired knowledge and skills.	Acquiring the outline of the creativity to solve various problems related to applied chemistry utilizing acquired knowledge and skills.
	(4) Socially acceptable sense of moral and designing ability of research and development, which allow demonstrating the ability to solve issues as a researcher engineer.	Acquiring the socially acceptable sense of moral and designing ability of research and development, which allow demonstrating the ability to solve issues as a researcher engineer, and to be able to explain them.	Acquiring the socially acceptable sense of moral and designing ability of research and development, which allow demonstrating the ability to solve issues as a researcher engineer.	Acquiring the outline of the socially acceptable sense of moral and designing ability of research and development, which allow demonstrating the ability to solve issues as a researcher engineer.
Comprehensive Abilities	(1) Self-motivating and continuous learning ability	Acquiring self-motivating and continuous learning ability and to be able to explain it.	Acquiring self-motivating and continuous learning ability.	Acquiring the outline of self-motivating and continuous learning ability.
	(2) Attitudes actively trying to take multiple approaches for solving problems as an independent researcher or engineer utilizing the following items: information collection, skill improvement, development of research methods, analysis and understanding of	Acquiring attitudes actively trying to take multiple approaches for solving problems as an independent researcher or engineer utilizing the following items: information collection, skill improvement, development of research methods, analysis and understanding of research outcomes and results. Also, to be able to explain these items.	Acquiring attitudes actively trying to take multiple approaches for solving problems as an independent researcher or engineer utilizing the following items: information collection, skill improvement, development of research methods, analysis and understanding of research outcomes and results.	Acquiring the outline of attitudes actively trying to take multiple approaches for solving problems as an independent researcher or engineer utilizing the following items: information collection, skill improvement, development of research methods, analysis and understanding of research outcomes and results.
	(3) Abilities for logical description, presentation, and discussion in Japanese language.	Acquiring the abilities for logical description, presentation, and discussion in Japanese language, and to be able to explain these abilities.	Acquiring the abilities for logical description, presentation, and discussion in Japanese language.	Acquiring the outline of abilities for logical description, presentation, and discussion in Japanese language.
	(4) Ability to collect and send information from international views.	Acquiring the ability to collect and send information from international views and being able to explain that.	Acquiring the ability to collect and send information from international views.	Acquiring the outline of ability to collect and send information from international views.
	(5) International sense to deal with problems from global perspectives.	Acquiring the international sense to deal with problems from global perspectives and being able to explain it.	Acquiring the international sense to deal with problems from global perspectives.	Acquiring the outline of international sense to deal with problems from global perspectives.

### Placement of the Liberal Arts Education in the Major Program

Liberal arts education in this Program creates the academic foundations for a specialized education, encourages a self-motivating and independent attitude, cultivates scientific thinking based on the ability to gather information-analytical capacity-critical thinking, establishes a viewpoint to give a deep insight into the nature and background of things from a broad perspective, strengthens students' language skills and their interest in peace suitable for living as an international person, integrates students' extensive knowledge into a system



