UNIVERSITAS ISLAM INDONESIA

FAKULTAS
MATEMATIKA &
ILMU PENGETAHUAN ALAM

Gedung Prof. Dr. H. Zanzawi Soejoeti, M.Sc.
Kampus Terpadu Universitas Islam Indonesia
Jl. Kaliurang km 14,5 Yogyakarta 55584
T. (0274) 898444 ext. 3040, 3041
F. (0274) 896439
E. fmipa@uii.ac.id
W. fmipa.uii.ac.id

STUDY PLAN
BACHELOR OF CHEMISTRY EDUCATION
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
UNIVERSITAS ISLAM INDONESIA

Degree Information: the minimum total credits that must be taken by students to complete studies in the Chemistry Education Study Program is 144 credits, with details of 138 credits for compulsory courses and a minimum of 6 credits for elective courses. The following is the Study Plan table:

1st Year				
1st Semester				
No	**Code**	**Course**	**SCU**	**ECTS**
1	UNI – 607	Indonesian for Scientific Communication	2	3.4
2	SPK – 101	Biology	2	3.4
3	SPK – 102	Physics	2	3.4
4	SPK – 103	General Chemistry	3	5.1
5	SPK – 104	Mathematics	3	5.1
6	UNI – 600	Islamic Education	2	3.4
7	UNI – 603	Philosophy State Education	2	3.4
8	SPK – 105	Physical Lab work	1	1.7
9	SPK – 106	General Chemistry Lab work	1	1.7
10	SPK – 107	Laboratory Techniques	2	3.4
Total			**20**	**34**
2nd Semester				
No	**Code**	**Course**	**SCU**	**ECTS**
1	UNI – 606	English	2	3.4
2	SPK – 208	Science Education	2	3.4
3	UNI – 601	Islam for Scholar	3	5.1
4	SPK – 209	Analytical Chemistry I	2	3.4
5	SPK – 210	Inorganic Chemistry I	2	3.4
6	SPK – 211	Physical Chemistry	3	5.1
7	SPK – 212	Organic Chemistry I	2	3.4
8	UNI – 604	Civic Education	2	3.4
9	SPK – 213	Computer Applications for Chemistry Lab work	1	1.7
10	SPK – 214	Physical Chemistry Lab work	1	1.7
Total			**20**	**34**

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2nd Year				
3rd Semester				
No	**Code**	**Course**	**SCU**	**ECTS**
1	UNI – 602	Islam as Mercy to the World	3	5.1
2	SPK – 315	Chemical Bonding	2	3.4
3	UNI – 605	Sharia Entrepreneurship	2	3.4
4	SPK – 316	Analytical Chemistry II	2	3.4
5	SPK – 317	Inorganic Chemistry II	2	3.4
6	SPK – 318	Organic Chemistry II	2	3.4
7	SPK – 319	Management Education	2	3.4
8	SPK – 320	Student Development	2	3.4
9	SPK – 321	Analytical Chemistry Lab work	1	1.7
10	SPK – 322	Inorganic Chemistry Lab work	1	1.7
11	SPK – 323	Organic Chemistry Lab work	1	1.7
Total			**20**	**34**
4th Semester				
No	**Code**	**Course**	**SCU**	**ECTS**
1	SPK – 424	English for Chemistry Learning	2	3.4
2	SPK – 425	Biochemistry	2	3.4
3	SPK – 426	Capita Selecta	2	3.4
4	SPK – 427	Instrumental Chemistry	3	5.1
5	SPK – 428	Chemistry for Senior High School I	2	3.4
6	SPK – 429	Management and Quality Assurance Laboratory School	2	3.4
7	SPK – 430	Instructional Media in Chemistry	2	3.4
8	SPK – 431	Microteaching for Senior High School I	2	3.4
9	SPK – 432	Biochemistry Lab work	1	1.7
10	SPK – 433	Teaching and Learning Strategies	2	3.4
Total			**20**	**34**

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3rd Year				
5th Semester				
No	**Code**	**Course**	**SCU**	**ECTS**
1	SPK – 534	Assessment for Chemistry Learning	3	5.1
2	SPK – 535	Chemistry for Senior High School II	2	3.4
3	SPK – 536	Research Methodology	2	3.4
4	SPK – 537	Chemical Research	2	3.4
5	SPK – 538	Microteaching for Senior High School II	2	3.4
6	SPK – 539	Planning and Developing of Chemistry Learning	2	3.4
7	SPK – 540	Instrumental Chemistry Lab work	1	1.7
8	SPK – 541	Education Profession	2	3.4
9	SPK – 542	Statistics for Research	2	3.4
10	SPK – 543	Review of Chemistry Curriculum for School	2	3.4
Total			**20**	**34**
6th Semester				
No	**Code**	**Course**	**SCU**	**ECTS**
1	SPK – 644	Health and Safety at Work	2	3.4
2	SPK – 645	Chemistry of Natural Resources	2	3.4
3	SPK – 646	Green Chemistry	2	3.4
4	SPK – 647	Chemical Kinetics	2	3.4
5	SPK – 648	Environmental Chemistry	2	3.4
6	SPK – 649	Separation dan Purification Chemistry	2	3.4
7	SPK – 650	Producing Animation-based Learning Media	2	3.4
8	SPK – 651	Field Introduction of School I	2	3.4
9	SPK – 652	Chemical Process Industry	2	3.4
10	UNI – 609	Techniques of Writing Academic Paper	2	3.4
Total			**20**	**34**

4th Year				
Semester 7				
No	**Code**	**Course**	**SCU**	**ECTS**
1	SPK – 753	Electrochemistry	2	3.4

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4th Year				
Semester 7				
No	**Code**	**Course**	**SCU**	**ECTS**
2	SPK – 754	Chemistry in the Qur'an	2	3.4
3	SPK – 755	Coordination Chemistry	2	3.4
4	SPK – 756	Chemistry for Vocational High School	2	3.4
5	SPK – 757	Field Introduction of School II	2	3.4
6	SPK – 758	Thesis Proposal	2	3.4
7	UNI – 608	Community Assistance Program	2	3.4
8	xxxxxxx	Elective 1	2	3.4
9	xxxxxxx	Elective 2	2	3.4
10	xxxxxxx	Elective 3	2	3.4
Total			**20**	**34**
8th Semester				
No	**Code**	**Course**	**SCU**	**ECTS**
1	SPK – 877	Thesis	4	6.8
Total			**4**	**6.8**

Elective Course				
No	**Code**	**Course**	**SCU**	**ECTS**
1	SPK – 759	Application and Technology of Electrochemistry	2	3.4
2	SPK – 760	Chemical Additives	2	3.4
3	SPK – 761	Food Chemistry	2	3.4
4	SPK – 762	Chemistry of Marine Products	2	3.4
5	SPK – 763	Cosmetic Chemistry	2	3.4
6	SPK – 764	Chemistry of Essential Oils	2	3.4
7	SPK – 765	Chemistry of Perfume	2	3.4
8	SPK – 766	Polymer Chemistry	2	3.4
9	SPK – 767	Management of Tutoring Agency	2	3.4
10	SPK – 768	Producing of Chemistry Textbook	2	3.4
11	SPK – 769	Producing Video-based Learning Media	2	3.4
12	SPK – 770	Manufacture of Essential Oils Product	2	3.4
13	SPK – 771	Chemical Waste Treatment	2	3.4
14	SPK – 772	Essential Oils Product Analysis	2	3.4

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Elective Course				
No	**Code**	**Course**	**SCU**	**ECTS**
15	SPK – 773	Design of Essential Oils Industry	2	3.4
16	SPK – 774	Chemical Product for Entrepreneurship	2	3.4
17	SPK – 775	Drinking Water Technology	2	3.4
18	SPK – 776	Waste Recycling Technology	2	3.4

Students must complete the student's activities in Participation Credit Unit:

Code	Course	Semester	PCU	ECTS
UNI – 610	Basic Understanding of Islamic Values	1st	20	3
UNI – 611	Qur'anic Personal Development		20	3
UNI – 612	Personal Development Training		5	0.7
UNI – 618	Student Institutional Leadership Practice	2nd	5	0.7
Total			30	7.4

Student's participation will be written on the diploma supplement.

Head of Study Program

Krisna Merdekawati, M.Pd.