

PELAN PENGAJIAN EH110 BARU (PAKEJ 2)

SEM	KOD	KURSUS	Pra-Syarat	Jam Kredit	S	T	M	Jam Peperiksaan
1	BEL120	Consolidating Language Skills	-	3	6	0	0	3 jam
	CHE115	General Chemistry	-	3	3	1	0	3 jam
	CHE124	Engineering Graphics	-	2	1	1	2	0 jam
	CSC134	Computer and Information Processing	-	3	2	0	2	2 jam
	CTU101*	Fundamentals of Islam	-	2	2	0	0	2 jam
	HBU111	Kesatria Negara I	-	1	-	-	-	-
	MAT133	Precalculus	-	3	3	1	0	3 jam
		Jumlah		17				
2	BEL 260	Preparatory Course for MUET	BEL120	3	6	0	0	3 jam
	CHE155	Physical Chemistry	CHE115	3	3	1	0	3 jam
	CHE165	Chemistry Laboratory	-	1	0	0	3	0 jam
	CHE175	Engineering Physics	-	4	3	1	2	3 jam
	CTU151*	Islamic Thought and Civilization	-	2	2	0	0	2 jam
	HBU121	Kesatria Negara II	-	1	-	-	-	-
	MAT183	Calculus I	MAT133	3	3	1	0	3 jam
		Jumlah		17				
3	BEL311	English for Academic Purposes	BEL260	3	6	0	0	3 jam
	CHE201	Chemical Process Principles	-	4	4	1	0	3 jam
	CHE203	Fluid Mechanics	-	2	2	1	0	2 jam
	CHE215	Organic Chemistry	-	4	4	1	0	3 jam
	CTU211*	Science and Technology in Islam	-	2	2	0	0	2 jam
	MAT235	Calculus II for Engineers	MAT183	3	3	1	0	2 jam
	HBU131	Kesatria Negara III	-	1	-	-	-	-
		Jumlah		19				
4	CHE251	Unit Operations	-	3	3	1	0	3 jam
	CHE252	Industrial Process	-	3	3	1	0	3 jam
	CHE253	Thermodynamics	-	3	3	1	0	3 jam
	KJM327	Electrical and Electronic Technology	CHE175	3	3	1	0	3 jam
	KJP226	Workshop Practice	-	2	1	0	3	0 jam
	MAT285	Further Mathematics for Engineers	MAT183	3	3	1	0	3 jam
		Jumlah		17				
5	CHE301	Occupational Safety and Health	-	3	3	1	0	3 jam
	CHE304	Introduction to Chemical Reaction Engineering	-	2	2	1	0	2 jam
	CHE315	Chemical Engineering Laboratory	-	2	0	0	3	0 jam
		Option I						
		Option II						
		Jumlah Keseluruhan		97				

Option I

5a	CHE303	Heat Transfer	-	3	3	1	0	3 jam
	CHE305	Material Science	-	2	2	1	0	2 jam
	QMT205	Industrial Statistics	-	3	3	1	0	3 jam
		Jumlah		15				
5b	CHE314	Basic Instrumentation and Control	-	2	1	0	2	0 jam
	CHE324	Process Plant Operations & Maintenance	-	3	3	0	2	3 jam
	CHE335	Basic Instrumental Analysis	-	3	2	1	2	3 jam
	ETR300	Fundamentals of Entrepreneurship	-	3	3	1	0	3 jam
		Jumlah		18				

Option II

6a	CHE314	Basic Instrumentation and Control	-	2	1	0	2	0 jam
	CHE364	Project	-	4	0	0	6	0 jam
	MGT340	Human Resource Management	-	3	4	0	0	3 jam
		Elective**		3				
** Elective - Students to choose one only								
6a	CHE324	Process Plant Operations & Maintenance	-	3	3	0	2	3 jam
	CHE335	Basic Instrumental Analysis	-	3	2	1	2	3 jam
	CHE352	Statistical Process Control	-	3	2	0	2	3 jam
		Jumlah		12				
6b	CHE351	Industrial Training***	-	9	-	-	-	-
		Jumlah		9				

*** The duration for Industrial Training is 18 weeks and commencing 4 weeks prior to Semester 6.

Note:

- 1) For Option I and II students are categorized into two groups ((a) and (b)) according to their CGPA at the end of Semester 4.
- 2) Those with CGPA < 2.75 have to take up Option I(5b) and Option II(6b).
- 3) For those with CGPA>2.75 they can choose between Option I(5a) or Option I(5b) and Option II(6a) or Option II(6b).
- 4) Student who choose Option I (5a) and Option II (6a) must obtain a minimum CGPA of 2.5 at the end of Semester 6 in order to apply for Chemical Engineering and Process Engineering Bachelor Programs.
- 5) Students who choose Option I(5b) and Option II(6b) must have minimum 1 year relevant work experience in order to apply for Chemical Engineering and Process Engineering Bachelor Programs.

*Pelajar bukan Islam :

CTU101 diganti dengan IDA102: Manusia dan Agama
 CTU151 diganti dengan IDA152: Islam dan Pembangunan
 CTU211 diganti dengan IDA202: Masyarakat Islam