جامعة تبوك
University of Tabuk

1445

Program Guide

(Bachelor of Chemistry)

Faculty of Science – University of Tabuk

Contents

About Faculty of Science

History:

The College of Sciences was established as a branch of King Abdulaziz University in Tabuk in 1426 AH according to the decision of the Council of Higher Education and the approval of the Custodian of the Two Holy Mosques, Prime Minister, and Chairman of the Council of Higher Education.

At that time, the college included the departments of mathematics and physics, and since the establishment of the University of Tabuk in 1427 AH, the College of Science became one of its affiliated colleges. The college includes six departments: Mathematics, Physics, Chemistry, Biology, Biochemistry, and Statistics. These departments award bachelor's degrees to contribute to the graduation of qualified Saudi competencies.

Vision

"Distinguished faculty in education and scientific research to serve the community."

Mission

" Offering an outstanding academic learning to graduate qualified human cadres in the theoretical and applied sciences to meet the needs of the labour market and society in accordance with an environment that supports scientific research."

Objectives

1. To improve students' ability and capability in the various faculty programs and work to develop new programs for graduate studies in all departments.
2. To enhance faculty staff efficiency and attract more expertise and dispatch distinct students to obtain M.Sc. degree and doctorate.
3. To increase the effectiveness of the means of improvement and qualitative development of the faculty; by holding specialized scientific seminars and scientific conferences, and feedback from students about faculty members.
4. To assess and design modern curricula for the faculty, and to study the creation of new programs in the faculty in line with development Prerequisites and the needs of the labor market.
5. To cooperate and coordinate with Faculties of Science at other national and international institutions and stand on the experiences of similar faculties inside and outside the Kingdom in the areas of faculty programs in order to obtain the academic accreditation.
6. To encourage faculty research activities for community uplift, and develop the system of scientific research, by establishing state of the art research laboratories, and the issuance of a special scientific journal for the faculty.

General admission controls for the academic year 1445 AH.

1	The applicant must be of Saudi nationality or have a Saudi mother.
2	The applicant must have a high school diploma or its equivalent from inside or outside the Kingdom.
3	The equivalency of the secondary school certificate must be issued by the Diploma Equivalency Committee of the Ministry of Education if the certificate is from outside the Kingdom.
4	Study at the secondary level must be on a “regular” basis.
5	The secondary school certificate must not have been more than five years old, meaning that the certificate must have been issued in the academic year 1439 AH - 1440 AH or later, taking into account the special conditions for health specializations.
6	The applicant must not be more than 25 years old, meaning he must be born in 1998 or later.
7	The academic achievement test score must not be less than 50% (the available score will be approved during application)
8	The general aptitude test score must not be less than 50 (the available score will be approved during application).
9	The validity period of scores for the general aptitude and academic achievement tests is five years.
10	The applicant must not have a previous academic record at the University of Tabuk during the last four semesters.
11	The applicant must not have been academically or disciplinary expelled from the University of Tabuk or any other university.
12	The applicant must not be accepted or registered for the same academic degree or another academic degree at the University of Tabuk or any other university.
13	The applicant bears responsibility for the accuracy of the data, and acceptance is considered void if proven otherwise.
14	The applicant is responsible for following up on admission procedures through the university’s website and the official social media outlets of the University of Tabuk.

Acceptance criteria and the mechanism for calculating the weighted and equivalent percentage for the academic year 1445 AH

Male Students		Weighted percentage of scientific specializations		
		High school	General aptitude test	Academic achievement test
		30%	30%	40%
		Equivalent percentage for literary majors		
		High school	General aptitude test	
		30%	60	
Female Students		Weighted percentage of scientific and literary specializations		
		High school	General aptitude test	Academic achievement test
		30%	30%	40%

The weighted and equivalent percentage can be calculated via the Deanship of Admission and Registration website

Faculty of Science					
Specialization	Male Students	Female Students	Type of secondary school certificate	Acceptance standard	Program duration
Biology	√	√	Scientific	Weighted ratio	Four years
Mathematics	√	√			Four years
Physics	√	√			Four years
Chemistry	√	√			Four years
Biochemistry	√	√			Four years
Statistics	√	√			Four years

Steps to apply for university admission for the academic year 1445 AH

1		The applicant must use a computer while submitting the application and avoid using smart phones or tablets.
2		Enter the electronic admission portal of the University of Tabuk to submit an application for admission to the university via the following link: ttps://myut.ut.edu.sa/ut/init
3		The applicant must ensure that all required data is entered accurately and correctly.
4		The applicant must make sure to enter his contact information (e-mail, mobile phone number).
5		The applicant must ensure that all available desires are entered and arranged according to priority. The applicant bears responsibility for entering and arranging the desires.
6		The available specializations are shown to the applicant according to general and specific regulations.
7		E-ranks, waste and collar in the billions. Nominating applicants competitively according to the acceptance criteria (weighted percentage) and (equivalent percentage) and according to the order of desires and available seats.
8		The applicant must follow the electronic portal to know the results of the initial acceptance and final acceptance.
9		The candidate must enter the admission portal and choose the icon to confirm acceptance to confirm his desire. If admission is not confirmed or rejected, his candidacy will be considered invalid and he will lose his chance for acceptance.
10		The Deanship of Admissions and Registration receives requests to object to nominations electronically within a week from the date of announcing the results, and no requests will be considered after that period.

Department of Chemistry:

History:

The Department of Chemistry was established in the academic year 1429/1430 AH corresponding to 2008/2009 AD, which is the third year of the establishment of the Faculty of Science, Tabuk University. Study according to the credit hour system.

Vision:

Leadership in chemistry and its applications that serve the community.

Mission:

Qualifying distinguished human cadres and conducting scientific research in various fields of chemistry to contribute to the service and development of society through active participation.

Objectives:

1. Graduation of students at a level consistent with national and international standards and able to compete in the labor market.
2. Improving the level of scientific research and launch of post-graduate programs.
3. Community service and problem solving in the local environment through scientific research and community participation.
4. Qualification for academic accreditation from the National Center for Academic Accreditation and Evaluation.

Prerequisites of Degree

The Department of Chemistry awards a Bachelor of Science degree in Chemistry. Study according to the credit hour system. To obtain a Bachelor of Science degree in Chemistry, the student must pass 133 credit hours distributed over eight semesters (including two for the preparatory year) with a general grade of no less than acceptable (with a cumulative average of no less than 2). The number of credit hours for each course in the academic program of the Department of Chemistry has been determined according to the relative importance of the course and its Prerequisites of effort and preparation by the learners. The academic program consists of two sets of courses: compulsory courses, and restricted elective courses (from within the department).

Program Mission:

Qualifying distinguished human cadres with high-quality education in the field of Chemistry to strengthen the goals of sustainable development and meet the need of community and scientific research.

Program Goals:

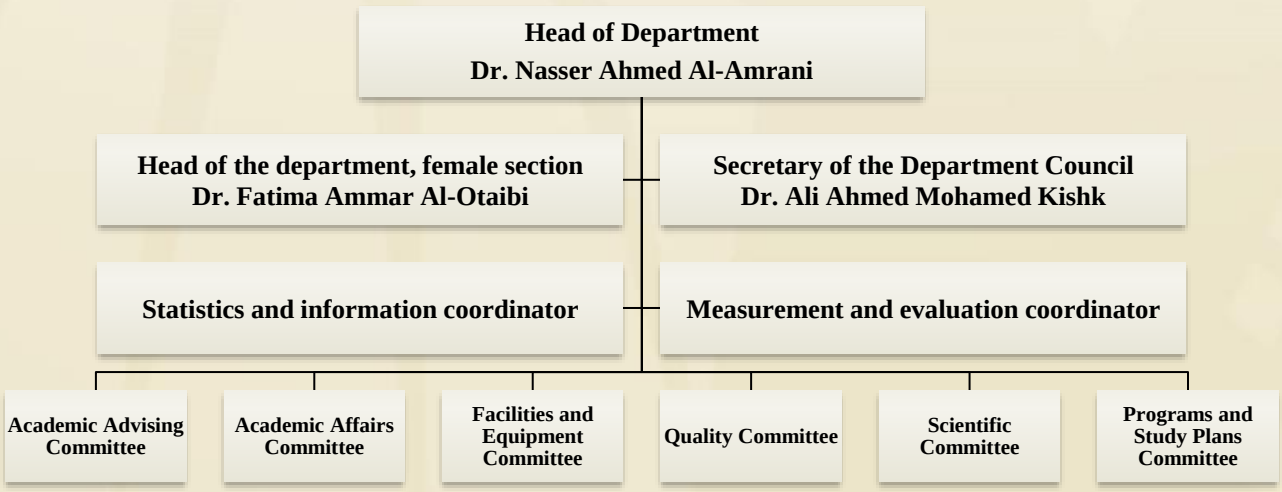
Goals of BSc Chemistry Program

Gives a graduate with a high level of scientific competence and ethics of the profession committed to the process and able to compete and perform the duties assigned to them with high quality locally, regionally, and internationally and contribute to solving society's problems.

Where the program is keen:

1. To provide a broad foundation in chemistry that stresses scientific reasoning and analytical problem solving with a molecular perspective.
2. To provide students with the skills required to succeed in graduate school, the chemical industry, or professional school.
3. To expose the students to a breadth of experimental techniques using modern instrumentation.
4. To provide students with the ability to effectively communicate scientific information and research results in written and oral formats with a diverse range of audiences.
5. To develop the student's ability to recognize ethical and professional responsibilities in scientific situations and make informed judgments, which must consider the impact of chemical processes in global, economic, environmental, and societal contexts.

The organizational structure of the Department of Chemistry



Study Plan General Components

Prerequisites		Credits	Courses	Weight %
University courses	Compulsory	20	9	
Faculty courses	Compulsory	25	7	
Department decisions	Compulsory	72	26	
	Electives	8	4	
Courses from Mathematics Department	Compulsory	8	3	
Total		133	49	

Note 1: Percentages for course distribution:

Whereas the academic accreditation requirements require certain proportions to the prerequisites of the university, the prerequisites of the department and the subjects free suggests Curriculum unity is compatible with these prerequisites.

- University Prerequisites (10-20%)
- Faculty Prerequisites (10-20%)
- Department Prerequisites (60%-80%
  - Compulsory courses (50%)
  - Elective courses (6-8% from within the department)
  - Free courses - if any - (2-4% from outside the department)

University Prerequisites

	Course	Code	Credits		Weight %	Prerequisites
			Credit	Contact		
1	Communication Skills	COMM001	2	2		
2	Computer Skills and Applications	CSC001	3	4		
3	Learning, Thinking and Research Skills	LTS 001	3	4		
4	Language Skills	ARAB 101	2	2		
5	Islamic Culture 1	ISLS 101	2	2		
6	Islamic Culture 2	ISLS201	2	2		ISLS 101
7	Islamic Culture 3	ISLS 301	2	2		ISLS201
8	Islamic Culture 4	ISLS 401	2	2		ISLS 301
9	Writing Skills	ARAB 201	2	2		ARAB 101
	The Total		20	22		

Table of compulsory courses for scientific faculties

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Prerequisites
			Theoretical	Practical	Training		
1	Mathematics 1	MATH 100	3			3	
2	English Language 1	ELS 001	15			5	
3	General physics	PHYS 101	3			3	
4	English language 2	ELS 002	15			5	ELS001
5	General Biology	BIO101	3			3	
6	General Chemistry	CHEM 101	3			3	
7	Mathematics 2	MATH 101	3			3	MATH 100
Total			45			25	

Table of elective courses for the department

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Prerequisites
			Theoretical	Practical	Training		
1	Chemistry of Cement	CHEM 324	2			2	CHEM 322
2	Environmental Chemistry	CHEM 325	2			2	CHEM 311
3	Chemotherapy	CHEM 326	2			2	CHEM 232
4	Chemistry of Synthetic Detergent	CHEM 333	1	1		2	CHEM 232
5	The chemistry of nucleic acids	CHEM 434	2			2	CHEM 232
6	Chemistry of Dyes	CHEM 432	2			2	CHEM 331
7	Analysis of Industrial product	CHEM 415	1	1		2	CHEM 312
8	Biochemistry	CHEM 438	1	1		2	CHEM 232
9	Technology of anti-corrosion Coatings	CHEM 445	2			2	CHEM 441
10	Chemistry of Natural product	CHEM 337	1	1		2	CHEM 232
11	Chemistry of Polymer	CHEM 436	1	1		2	CHEM 431
12	Petroleum chemistry & petrochemicals	CHEM 437	2			2	CHEM 232

Department course Table

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Prerequisites
			Theoretical	Practical	Training		
1	General Chemistry (1)	CHEM 201	3	3		4	---
2	Principles of organic chemistry (1)	CHEM 231	3	3		4	---
3	General Chemistry (2)	CHEM202	3	3		4	CHEM201
4	Volumetric and Gravimetric Chemical Analysis	CHEM 211	3	3		4	CHEM201
5	Principles of Organic Chemistry (2)	CHEM 232	3	3		4	CHEM 231
6	Chemical thermodynamics	CHEM 341	3			3	CHEM 202 & MATH 205
7	Electrochemistry (1)	CHEM 342	2			2	CHEM202
8	Inorganic Chemistry (1)	CHEM 321	2			2	CHEM202
9	Chemical kinetics	CHEM 346	3			2	CHEM202
10	Heterocyclic compounds	CHEM 331	2			2	CHEM 232
11	Methods of Instrumental Analysis	CHEM 311	3	3		4	CHEM 211
12	Quantum chemistry	CHEM 347	3			3	CHEM 341
13	Electrochemistry (2)	CHEM 348	2			2	CHEM 342
14	Inorganic Chemistry (2)	CHEM 322	3			3	CHEM 321
15	Chromatographic separation methods	CHEM 314	2	3		3	CHEM 311
16	Practical physical chemistry	CHEM 343		6		2	CHEM 341
17	Field training	CHEM 390		6		2	Pass the 6th level
18	Organic reaction mechanism	CHEM 431	2			2	CHEM 331
19	Inorganic reaction mechanism	CHEM 421	2			2	CHEM 322
20	Nuclear chemistry and radiochemistry	CHEM 443	2			2	CHEM 341
21	Metal corrosion and control in corrosion phenomenon	CHEM 441	2			2	CHEM 348
22	Surface chemistry and catalysis and colloids	CHEM 442	3			3	CHEM 341
23	Spectroscopy of organic compounds	CHEM 433	3			3	CHEM 431
24	Spectroscopy of inorganic compounds	CHEM 422	3			3	CHEM 421
25	Practical inorganic chemistry	CHEM 423		9		3	CHEM 421
26	Research project	CHEM 490	2			2	Student must be enrolled in 8th level
Total			59	42		72	

Course distribution Table according to program levels

Preparatory year: first level

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Weight %	Prerequisites
			Theoretical	Practical	Training			
1	Mathematics (1)	MATH 100	3			3		
2	English (1)	ELS001	15			5		
3	General Chemistry	CHEM 101	3			3		
4	General Biology	BIO101	3			3		ELS001
5	Learning Skills and think and search	LTS 001	4			3		
Total						17		

Preparatory year: second level

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Weight %	Prerequisites
			Theoretical	Practical	Training			
1	General Physics	PHYS101	3			3		
2	Mathematics (2)	MATH 101	3			3		MATH 100
3	English language (2)	ELS201	15			5		ELS101
4	computer skills and its applications	CSC001	4			3		
5	Skills Connection	COMM 100	2			2		
Total						16		

Second year: third level

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Weight %	Prerequisites
			Theoretical	Practical	Training			
1	General Chemistry (1)	CHEM201	3	3		4		
2	Principles of organic chemistry (1)	CHEM 231	3	3		4		
3	Integration basics	MATH 200	4			4		MATH 101
4	Language skills	ARAB 101	2			2		
5	Islamic culture (1)	ISLS 101	2			2		
Total						16		

Second year: fourth level

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Weight %	Prerequisites
			Theoretical	Practical	Training			
1	General Chemistry (2)	CHEM202	3	3		4		CHEM201
2	Volumetric and Gravimetric Chemical Analysis	CHEM 211	3	3		4		CHEM201
3	Principles of Organic Chemistry (2)	CHEM 232	3	3		4		CHEM 231
4	Introduction to differential equations	MATH205	2			2		MATH 200
5	writing skills	ARAB 201	2			2		ARAB 101
6	Islamic culture (2)	ISLS201	2			2		ISLS 101
Total						18		

Third year: fifth level

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Weight %	Prerequisites
			Theoretical	Practical	Training			
1	Chemical thermodynamics	CHEM 341	3			3		CHEM 202 & MATH 205
2	Electrochemistry (1)	CHEM 342	2			2		CHEM202
3	Chemical Kinetics	CHEM 346	2			2		CHEM202
4	Methods of Instrumental Analysis	CHEM 311	3	3		4		CHEM 211
5	Inorganic Chemistry (1)	CHEM 321	2			2		CHEM202
6	Heterocyclic compounds	CHEM 331	2			2		CHEM 232
7	General statistic	SATA 201	4			4		MATH 101
8	Islamic culture (3)	ISLS 301	2			2		ISLS201
Total						19		

Third year: sixth level

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Weight %	Prerequisites
			Theoretical	Practical	Training			
1	Quantum chemistry	CHEM 347	3			3		CHEM 341
2	Electrochemistry (2)	CHEM 348	2			2		CHEM 342
3	practical physical chemistry	CHEM 343		6		2		CHEM 341
4	Chromatographic separation methods	CHEM 314	2	3		3		CHEM 311
5	Inorganic Chemistry (2)	CHEM 322	3			3		CHEM 321
6	Chemistry elective	CHEM xxx				2		
7	Field training	CHEM 390	2			2		Completed the 6th level
8	Islamic culture (4)	ISLS 401	2			2		ISLS 301
Total						19		

Fourth year: seventh level

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Weight %	Prerequisites
			Theoretical	Practical	Training			
1	Organic reaction mechanisms	CHEM 431	2			2		CHEM 331
2	Inorganic reaction mechanisms	CHEM 421	2			2		CHEM 322
3	Corrosion of Metals and Controlling the Corrosion Phenomenon	CHEM 441	2			2		CHEM 348
4	Surface Chemistry, Catalysis, and Colloids	CHEM 442	3			3		CHEM 341
5	Nuclear chemistry and radiochemistry	CHEM 443	2			2		CHEM 341
6	Chemistry elective	CHEM xxx	2			2		CHEM xxx
Total						13		

Fourth year: eighth level

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Weight %	Prerequisites
			Theoretical	Practical	Training			
1	Spectroscopy of organic compounds	CHEM 433	2	3		3		CHEM 431
2	Spectroscopy of inorganic compounds	CHEM 422	2	3		3		CHEM 421
3	Practical inorganic chemistry	CHEM 423		9		3		CHEM 421
4	Research Project	CHEM 490	2			2		Student must be enrolled in 8th level
5	Chemistry elective	CHEM xxx	2			2		CHEM xxx
6	Chemistry elective	CHEM xxx	2			2		CHEM xxx
	Total					15		

Course specifications for the old study plan (B.Sc. Chemistry):

https://drive.google.com/drive/folders/1lPWNuKAHSakkauj-MKQZ5O3BRHUZjshX?usp=sharing

Developed study plan

Curriculum Structure

Program Structure	Required/ Elective	No. of courses	Credit Hours	Percentage
Institution Requirements	Required	10	26	19.40%
	Elective	5	13	9.70%
College Requirements	Required	6	15	11.20%
	Elective	-----	-----	
Program Requirements	Required	26	70	52.23%
	Elective	2	4	3%
Capstone Course/Project		1	3	2.3%
Total		51	134	

Program Courses

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements
Level 1	MATH1101	Introduction to mathematics	Required		3	Institution
	ELS1101	English 1	Required		3	Institution
	GEE-S1251	Natural and Social Sciences (1)	Elective		3	Institution
	CHEM1101	Fundamentals of chemistry	Required		3	College
	CSC1101	Introduction to computing	Required		3	Institution
	CID1101	Communication skills	Required		2	Institution
	ISLS1101	Islamic culture between authenticity and contemporary	Required		2	Institution

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements
Level 2	BIO1101	Fundamentals of biology	Required		3	College
	MATH1102	Differential calculus	Required	MATH1101	3	Institution
	EDUF1102	Critical thinking and its contemporary applications	Required		3	Institution
	ELS1102	English 2	Required	ELS1101	3	Institution
	PHYS1101	Fundamentals of physics	Required		3	College
	ARAB1101	Arabic language skills	Required		3	Institution

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements
Level 3	CHEM1201	General chemistry 1	Required		3	Program
	BIO1201	Principals of environmental sustainability	Required		2	College
	CHEM1202	Organic chemistry 1	Required	CHEM1101	3	Program
	MATH1273	Introduction to differential equations	Required	MATH1102	3	Program
	PHYS1206	Natural resources	Required		2	College
	ISLS1102	Ethics and cultural values in Islam	Required	ISLS1101	2	Institution
	LANT1101	English grammar	Elective		3	Institution

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements
Level 4	BIO1208	Biodiversity	Required		2	College
	CHEM1203	General chemistry 2	Required		3	Program
	CHEM1204	Introduction to analytical chemistry	Required	CHEM1201	3	Program
	CHEM1205	Organic chemistry 2	Required	CHEM1202	3	Program
	GEE_T1251	Technology Course	Elective		3	Institution
	CHEM1206	Inorganic chemistry 1	Required	CHEM1201	3	Program

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements
Level 5	CHEM1305	Chemical thermodynamics	Required	CHEM1203, MATH1218	3	Program
	CHEM1306	Electrochemistry	Required	CHEM1203	3	Program
	CHEM1301	Organic reaction mechanism	Required	CHEM1205	2	Program
	CHEM1302	Inorganic chemistry 2	Required	CHEM1206	3	Program
	CHEM1303	Instrumental chemical analysis	Required	CHEM1204	3	Program
	GEE_C1251	Elective Culture	Elective		2	Institution
	CHEM1304	Chemical kinetics	Required	CHEM1203	2	Program

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements
Level 6	GEE_P1251	Professional and personal development	Elective		2	Institution
	CHEM1312	Chemistry of natural products	Required	CHEM1205 & BIO1208	2	Program
	CHEM1307	Solid state and surface chemistry	Required	CHEM1203	2	Program
	CHEM1309	Chemistry of heterocyclic compounds	Required	CHEM1205	2	Program
	CHEMxxx 1	Elective course	Elective		2	Program
	CHEM1310	Environmental chemistry	Required	CHEM1303 & BIO1201	2	Program
	CHEM1311	Methods of chromatographic separation	Required	CHEM1303	3	Program
	CHEM 1308	Materials science	Required	CHEM1304 & PHYS1206	3	Program

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements
Level 7	CHEMxxx2	Elective course	Elective		2	Program
	CHEM1401	Quantum chemistry	Required	CHEM1305	3	Program
	CHEM1402	Organometallic chemistry	Required	CHEM1302	3	Program
	CHEM1498	Project	Required	CHEM1307& CHEM1303	3	Program
	CHEM1403	Practical inorganic chemistry	Required	CHEM1302	2	Program
	CHEM1404	Spectroscopy of inorganic compounds	Required	CHEM1302	2	Program
	CHEM1405	Nuclear and radiochemistry	Required	CHEM1305	3	Program

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements
Level 8	CHEM1407	Spectroscopy of organic compounds	Required	CHEM1308	3	Program
	CHEM1406	Corrosion of metals	Required	CHEM1312	3	Program
	CHEM1495	Training	Required	120 Credit Hours	3	Program

	Course code	Course title	prerequisite	Credit hours	Type of requirements
The elective courses	CHEM1313	Chemistry of cement	CHEM1302	2	Program
	CHEM1314	Analysis of industrial products	CHEM1303	2	Program
	CHEM1315	Bioinorganic chemistry	CHEM1302	2	Program
	CHEM1408	Group theory	CHEM1302	2	Program
	CHEM1409	Chemistry of drugs	CHEM1309	2	Program
	CHEM1410	Green Chemistry	CHEM1310	2	Program
	CHEM1411	Chemistry of petroleum and petrochemicals	CHEM1309	2	Program
	CHEM1412	Nano technology	CHEM1308	2	Program
	CHEM1413	Polymer Chemistry	CHEM1309	2	Program

Course specifications for the developed study plan (B.Sc. Chemistry):

https://drive.google.com/drive/folders/13MRf05y6OkLhyxnEBBa4w3Peqb2u01Sn?usp=sharing

Graduation and Degrees of honor (Grading System):

1. **Grade and degrees of honor obtained by the student in each course is calculated as follows:**

Rating weight out of (4)	Rating weight out of (5)	Grade Code	Grade	Grade Limit
4.00	5.00	A+	Exceptional	**95-100**
3.75	4.75	A	Excellent	**90 to less than 95**
3.50	4.50	B+	Superior	**85 to less than 90**
3.00	4.00	B	Very Good	**80 to less than 85**
2.50	3.50	C+	Above Average	**75 to less than 80**
2.00	3.00	C	Good	**70 to less than 75**
1.50	2.50	D +	High Pass	**65 to less than 70**
1.00	2.00	D	Pass	**60 to less than 65**
0	1.00	F	Fail	**less than 60**

2. **The cumulative grade point average (GPA) awarded to graduated student is as follows.**

- Excellent: if the cumulative GPA of at least 4.5.
- Very Good: If the cumulative GPA of 3.75 to less than 4.5.
- Good: If the cumulative GPA of 2.75 to less than 3.75.
- Pass: If the cumulative GPA of 2.00 to less than 2.75

3. **A student who graduated with accumulative grade point average (GPA) of (4.5) to (5) will be awarded First Class Honors Degree, and the one who graduated with accumulative grade point average (GPA) of (4.25) to less (4.75) will be awarded Second Class Honors Degree.**

The conditions required for awarding First Class Honors Degree or Second-Class Honors Degree is as follows:

- The student must not fail in any course taught to him at his university of graduation or any other university.
- The student must have completed graduation Prerequisites at a maximum average duration (between minimum and maximum stay in Faculty)
- The student must have studied at University of Tabuk at least 60% of graduation Prerequisites.

How to calculate the Semester (GPA) and average (GPA) for the year Example:

First semester

Course	Credit Hours	%	Grade	Grade Weight	points
MATH 100	2	85	B+	4.50	9.00
CHEM 101	3	70	C	3.00	9.00
BIO101	3	92	A	4.75	14.25
ELS001	4	80	B	4.00	16.00
Total	12				48.25

$$\text{GPA for Semester} = \frac{(48.25)}{\text{Total Units (12)}} = 4.02$$

Second Semester:

Course	Credit Hours	%	Grade	Grade Weight	points
PHYS101	2	96	A+	5.00	10
MATH 101	3	83	B	4.00	12
ELS002	4	71	C	3.00	12
CSC001	3	81	B	4.00	12
Total	12				46

$$\text{GPA for Semester} = \frac{46}{12} = 3.83$$

$$\text{Average GPA} = \frac{\text{Total points (48.25 + 46)}}{\text{Total Units (12 + 12)}} = 3.93$$

Faculty Members of Chemistry Department

No.	Name	Degree / Specialization	Profile	Email
1.	**Dr. Nasser Alomrani**	Assistant Professor Analytical Chemistry		nalomrani@ut.edu.sa
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