

## 1. University Requirements

### 1.1 Core Courses

Course Code	Course Title	Credit
GE 101	Arabic Language communication 1	3
GE 102	Arabic Language Communication 2	3
GE 103	English Language Communication 1	3
GE 104	English Language Communication 2	3
GE 105	Introduction to Information Technology (IT)	3
GE 130	Introduction to Psychology	3
GE 171	College Mathematics	3
<b>Total Credits For Core Courses</b>		<b>21</b>

### 1.2 Elective Courses

Course Code	Course Title	Credit
GE 131	Critical Thinking	3
GE 140	Islamic Civilization	3
GE 141	Islamic Thought	3
GE 142	UAE Society	3
GE 170	Natural Resources and Environment	3
<b>Total Credits for Electives Courses</b>		<b>9</b>

## 2. College Requirements

Course Code	Course Title	Credit
HS 100	Biology and Laboratory	4
HS 105	Chemistry I and Laboratory	4
HS 110	Physics for Health Sciences	3
HS 200	Microbiology for Health Sciences and Laboratory	4
HS 205	Chemistry II and Laboratory	4
HS 230	Technical Writing/Public Speaking	3
HS 255	Introduction to Environmental Health	3
HS 260	Introduction to Public Health	3
HS 305	Organic Chemistry and laboratory	4
<b>Total Credits for College Requirements Courses</b>		<b>32</b>

## 3. Program Requirements

### 3.1 Core Courses

Course Code	Course Title	Credit
EH 200	Introduction to Biostatistics	3
EH 202	Principles of Occupational Health and Safety	3
EH 204	Epidemiology and Risk Assessment	3
EH 206	Environmental Health Law and Planning	3
EH 300	Air Pollution and Health	3
EH 302	Water Supplies and Wastewater	3

Course Code	Course Title	Credit
EH 304	Food Hygiene	3
EH 306	Environmental Control of Disease Vectors	3
EH 308	Solid and Hazardous Waste Management	3
EH 310	Industrial Hygiene	3
EH 312	Instrumental Analysis and Assessment Methods	3
EH 400	Toxicology and Risk Assessment	3
EH 402	Radiation Health	3
EH 490	Water and Wastewater Field and Laboratory Methods	4
EH 491	Air Pollution and Industrial Hygiene Field and Laboratory Methods	4
EH 499	Internship in Environmental Health	7
<b>Total Credits For Core Courses</b>		<b>54</b>

### 3.2 Electives Courses

Course Code	Course Title	Credit
EH 314	Environmental Health Economics	3
EH 316	Energy and Sustainability	3
EH 404	HAZWOPER (Hazardous Waste Operations and Emergency Response)	3
EH 410	Construction Safety	3
<b>Total Credits for Electives Courses</b>		<b>6</b>

**Total required credits courses to be completed for graduation is 122 credits.**

In addition to completing the credit hours requirements it's mandatory for JU students to graduate to submit their completed Graduate Portfolio and pass Gateways points as detailed in student graduation requirements and Presented below:

#### 1) Complete Student Graduate Portfolio

All degree-seeking students should present a Professional Portfolio that blends with the University overall vision to graduate students that are ready to work. The Professional Portfolio is designed as a learning professional tool and also assessment tool to determine and provide evidence of the students' demonstrated understanding of EH principles as outlined by the National Environmental Health Science & Protection Accreditation Council (EHAC) and Jumeira University standards. The cumulative portfolio should document each student's dispositions and competencies reflected in assignments throughout their coursework, internship services in EH Outreach program. Creating a portfolio has value to students, the Jumeira University EH Program and potential employers.

The Portfolio will consist of three parts:

- Student Biography including their resume and key accomplishments during their studies.

- Personal Development Plan (PDP) that outlines the student learning target in each year and records and reflects on the academic learning and professional experiences of the students during each year of study at JU. During the first year students will be learn how to create a PDP from GE 130 and later their academic advisor will help them put together a PDP tailored towards their studies in the EH program.
- Professional Dossier: In this part students will include a minimum of one designated assignment from each course, and select from a variety of practicums and internships they have completed. Students will be advised how to maintain records of internships and copies of submitted assignments. The dossier will serve as records of the skills that students have developed during his/her studies and also support their job applications once they graduate.

## 2) Pass Program Gateways

The Program Gateway System (PGS) at JU is utilized to guide the student through the Jumeira University EH Program. PGS specifies performance expectations students must meet to progress through and complete the program. PGS includes four clearly delineated transition points called Gateways.

At each transition point, student learning is aligned with JU College of Health Sciences standards, relevant standards of EHAC, and UAE education framework. Also, outlined at each Gateway are required projects (assignments) used as indicators of student performance and learning achievements, and the minimum level of acceptable performance for the university program requirements.

Students must meet designated requirements during progression through the EH program as listed below:

- Gateway I – (Prior to Semester 3)
  - Completion of 12 General Education Credit Hours.
  - Submission of Personal Development Plan.
  - Completion of EH Questionnaire.
  - Interview with Academic Advisor (Portfolio Review 1).
- Gateway II – (Prior to Semester 5)
  - Interview with Academic Advisor (Portfolio Review 2).
  - Pass JU English Placement Test and obtain a score of > 90 or obtain 6 in the IELTS (Mock Up Test) or Pass EAS4.
  - Complete all 100 level compulsory courses.

- Gateway III – (Prior to Semester 7)
  - Completion of 90 Credit Hours.
  - Complete 4 weeks summer Internship and submit reflective Journal of 500 words that describes student's experiences and learning.
  - Successful completion of course requirements.
  - Review of Portfolio Competencies.
  - Interview with Advisor for Internship Placement and Guidelines.
  
- Gateway IV – Program Completion/Job Placement
  - Completion of 105 Credit Hours for the Program.
  - Obtain accumulative G.P.A. of minimum of 2.5.
  - Interview with Advisor for Review of Professional Portfolio.
  - Successful Completion of professional internship.
  - Successful Completion of review and develop summary chart of professional certifications available in EHS from recognized local or global institutes. E.g of USA recognized institutes including but not limited to: Chartered Institute of Environmental Health, Institute of Safety and Health, Certified Safety Professional, Certified Industrial Hygienist, Registered Environmental Health Specialist and Certified Health Physicist.