

The consulting council for the Environmental Engineering Program meeting minutes

Meeting No. (2)

April 27, 2025

The Consulting Council for the Bachelor's program in Environmental Engineering held its second meeting on April 27th, 2025, and discussed the following:

1. Reviewing the suggested academic/learning goals for the Environmental Engineering bachelor's degree program.
2. The Bologna process curriculum from the employers' point of view.
3. Summer internship (training) improvement suggestions.

Decisions and recommendations

First item: The members reviewed the environmental engineering program learning goals in light of the changes to the teaching system by switching to the Bologna process. The council agrees that no need to change the goals as they are compatible with the department and the institution's vision and message, and comply with the market requirements. The following represents the outcomes:

1. Provide the engineering graduate with the knowledge and skills to help develop their environmental engineering professional life.
2. Develop the program's curriculum's practical side to have professional engineers in environmental engineering, civil engineering, and the relevant fields.
3. Reinforce the graduates with the creative knowledge to meet society's needs in different engineering fields.

Second item: The council made the following recommendations to improve and develop the suggested curriculum in the Bologna process that will meet the graduate learning outcomes and the employers' interests:



- Expanding the subjects related to the proper and effective way of dealing with gas pollutants emitted from oil facilities in Iraq and Ninevah governorate, especially Hydrogen sulfide and sulfur oxides, due to their direct and indirect dangerous effects on the environment and human health. This is to comply with Cabinet directions No. 24777 in 2024, which supports all the necessary procedures to limit the gas pollution from fuel burning in various development sectors.
- Adding subjects related to Industrial Security, Health, Safety, and Environment HSE in the updated curricula to raise the awareness of risks related to work, support the sustainability, increase employment opportunities, and prepare the graduates for future challenges.
- Adding new course outlines to the industrial and oil pollution curriculum that focus on the applied techniques to mitigate and treat oil leaks that have a major effect on health and public safety.

Third item: Suggestions discussed regarding the students' summer training (internship). The following recommendations were made.

Recommendation (1): Coordinating with relevant institutions to train the students every year for longer periods instead of the current internship, which lasts one month for the third-year students only.

Recommendation (2): Updating the internship form to include the actual evaluation and performance of the trainee, and to be concluded with a detailed report about the training activities that will be discussed between the internship company/institution and the department internship committee.

Recommendation (3): Following up with the trainee actively through field visits to the training sites by the department training committee.



Recommendation (4): coordinating with government departments/institutions that work in or close to the environmental engineering field to propose research projects that the students can work on in cooperation with the government department/institution. The outcome of the project will participate and help develop the government institution.

Committee members

| No. | Name | Affiliation | Signature |
|-----|--|--|-----------|
| 1 | Abdullah Ismael Ibrahim, Ph.D., Assistant Professor | Environmental Engineering Department/ The University of Mosul | |
| 2 | Ammar Thamir Hamad, Ph.D., Assistant Professor | Environmental Engineering Department/ The University of Mosul | |
| 3 | Mohammad Noori Saif Aldeen Senior Chief Engineer- First Class | Ninevah Sport and Youth Directorate | |
| 4 | Maan Fadhil Hussain Senior Chief Engineer | Ninevah Sewer Directorate | |
| 5 | Mohammad Yousif Hussain Senior Chief Engineer | North Refineries Company | |
| 6 | Omar Ali Ihsan Chief Engineer | Ninevah Environment Directorate | |
| 7 | Omar Salih Mahdi Chief Engineer | Ninevah Water Directorate | |

