



AUIS STEM

Science • Technology • Engineering • Math

What is AUIS STEM?

AUIS STEM is a three day event, during which three during which, interested students in Science, Technology, Engineering, and Mathematics will showcase their projects of the semester and compete with their colleagues and other universities.

AUIS Engineering Club with collaboration of AUIS Engineering Department, Information Technology, and Mathematics and Natural Science is organizing the first AUIS STEM 2018.

AUIS STEM Dates:

Day 1 – Tuesday, April 17th – Department of Mathematics and Natural Science

Day 2 – Wednesday, April 18th – Department of Information Technology

Day 3 – Thursday, April 19th – Department of Engineering

Time: 9:00-5:00 pm

Location: AUIS Conference Hall

Guests:

Guests from the community are welcomed and invited to attend AUIS STEM. All guests must register to attend the event using the following [registration form](#).

Day 1 – Tuesday April 17th

Department of Mathematics and Natural Science

MathFEST



Details:

The first mathematical festival in Iraq and the Kurdistan Region, MathFest 2016. The purpose of this event was to increase and strengthen connections and collaborations between students, faculty members and institutes of mathematics in the region. Following its success the second mathematical festival, MathFest 2018, will host a Junior Competition (High Schools) and Senior Competition (Universities). Teams of 5 students will compete in a challenges head to head competition against other groups in the region.

Rules:

Junior Competition

Each high school may register only 5 enrolled students representing your university in a mathematical competition. Proof of enrollment needs to be presented on April 17th.

The mathematical competition for Junior Competition includes topics from grade 10 and 11; topics such as Algebra, Precalculus, and Trigonometry.

Senior Competition

Each university may register only 5 enrolled undergraduate students representing your university in a mathematical competition. Proof of enrollment needs to be presented on April 17th

The mathematical competition for undergraduate students includes the following topics:

- | | |
|------------------------------|----------------------------------|
| 1. Limits and Continuity | 2. Transcendental Functions |
| 3. Techniques of Integration | 4. Infinite Series and Sequences |

Deadline:

To register your university or high school, email Mr. Rawand Wrya at rawand.wrya@auis.edu.krd with the full names of the students by **April 1st**. Please note, registration is free.

To register to be part of the *AUIS Math Team*, email Mr. Rawand Wrya at or visit him at the Math Center by **April 1st**. MathTeam members will receive a Math Team shirt.

Awards/Prizes:

All students will receive a Certificate of Participation and prizes and medals will be awarded to the winners of each competition.

Day 2 – Wednesday April 18th

Department of Information Technology

IT Day



Details:

Can robots draw like Michelangelo or Pollock? Can a unique combination of code lines take over the creativity of human imagination? Find out the breakthroughs our IT students discovered from their classes and student club activities.

Join the IT Department on April 18th for a full day of creative and outstanding projects. Discover the fuel that drives the creativity of the IT students and what makes them disturb the status quo and challenge the “impossible!”

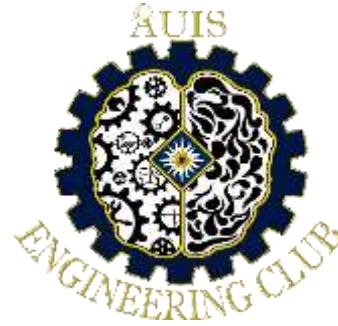
It is going to be a day powered by languages. Not the languages of human communication, but those of pure logic and ones and zeros. There will be many interactive projects ranging from web systems to games to robotics.

If you would like to be part of the exhibition and have an idea that is unique, contact Mr. Berzy Bahzad at berzy.bahzad@auis.edu.krd for details on how to part of the next big thing: AUIS STEM.

Day 3 – Thursday April 18th

Department of Engineering

Engineering Day



Details:

Engineering Day will be on April 19, from 9:00 am -5:00 pm. The day will consist of two parts, the Hands-On Challenges and the Capstone/Semester projects.

All AUIS Engineering students are welcome to share their capstone project or any semester project for any engineering course. We would like to invite interested students who have a project to complete the following [Google Form](#).

In addition to completing their projects, each group should prepare a poster (flex) as part of their presentation. Each group will be given a spot either inside the conference hall where they can display their projects/research. Throughout the day, members of the AUIS community will come around and view their projects/research.

Deadlines:

Capstone/Semester Project Registration

Individuals and groups who would like to present their capstone, research or project may register through this [Google Form](#) by **April 10th**

All projects including flex needs to be completed by April 15.

Hands-On Challenge

Students interested in competing can sign up through the following [Google Form](#) on **April 14th**. Each competition requires groups of two. Link will become active on April 14th.

Note: the competitions will be based on first come first serve basis, so sign up early!

Awards/Prizes:

Awards will be given to the winners of the challenges and all participants who will be presenting their capstone and semester project.