



CSE AT A GLANCE

FACULTY

9 Professors
2 Associate Professors
2 Assistant Professors
1 Lecturer
3 Senior Lab Instructors
3 Lab Instructors

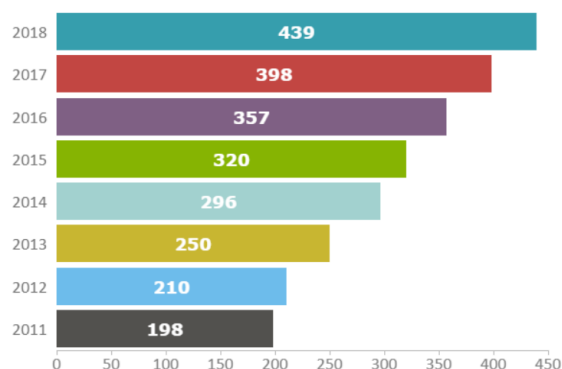
PROGRAMS OFFERED

Master of Science in Computer Engineering (MScCoE)
Bachelor of Science in Computer Engineering (BSCoE)
Bachelor of Science in Computer Science (BSCS)
Minor in Computer Engineering
Minor in Computer Science

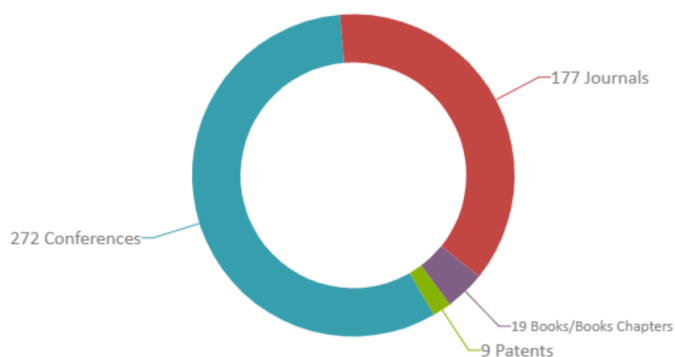
GENDER DISTRIBUTION

65% Men
35% Women

STUDENT ENROLLMENT



CSE PUBLICATIONS (2006-2018)



CSE offers a new technical elective on Virtual and Augmented Reality in Fall 2019

May 30, 2019: A new elective on Virtual and Augmented Reality will be offered in Fall 2019. The new course will focus on the hardware and software aspects of virtual reality (VR) and augmented reality (AR) systems. Moreover, it will address the integration of AR and VR technologies in the development of computer games and other smart applications used in our daily life.

The CSE list of technical electives is rich with courses that covers a wide spectrum of areas in computer science and engineering such as Artificial Intelligence (AI), Cloud Computing, Cyber Physical Systems (CPS), Cyber Security, Internet of Things (IoT), Machine learning and Data Mining, Wireless Networks, Mobile Application Development, and Multicore Computing, ...etc.

To learn more about CSE Curriculum, [click here.](#)



Minor in Data Science launched in Fall 2019

May 30, 2019: The Department of Mathematics & Statistics in collaboration with the Department of Computer Science & Engineering have launched a Minor in Data Science which will be effective Fall 2019.

To learn more about CSE Minors, [click here.](#)

CSE launches new Electronic Class Attendance System

May 30, 2019: A new Class Attendance System was launched in Spring 2019. Attendance can be taken in a matter of seconds regardless of the class size. To confirm his or her attendance, a student downloads an iOS/Android mobile application and scans a random QR code, shown by the faculty. The system also acts as an important reminder for students, who receive an automated message when they have missed between 10 and 15 percent of their classes.

Other electronic services created and launched by CSE in the past two years include the Advising System, Wish List System, Waiting List System, General Education Requirement (GER) Course Availability System, and Job/Internship Portal.

To learn more about CSE Electronic Services, [click here.](#)





CSE enrollment continues to rise

May 30, 2019: In Spring 2019, the number of undergraduate students in CSE was 437 (253 in Computer Engineering and 184 in Computer Science). CSE now represents 22% of the 1975 undergraduate Engineering students and is the largest department in the college.

To learn more about CSE statistics, [click here.](#)

CSE offers various professional certifications

May 30, 2019: In Spring 2019, CSE offered various professional certifications to its students and the public.

The certifications included:

- HP - Introduction to Cloud Computing
- CISCO - CCNA Cybersecurity Operations (CyberOps)
- SAP - Cloud Platform
- Red Hat - System Administration I

To learn more about CSE offered certifications, [click here.](#)



CSE projects take part in the AUS College of Engineering (CEN) Open Day competition

May 6, 2019: Industry experts, academics and students attended the College of Engineering (CEN) Open Day 2019 at AUS on May 1. The annual event, which displays CEN students' senior design work with real industrial applications and prototypes, aims to promote and encourage the students to adopt innovative and sustainable approaches in their capstone design projects.

Three CSE teams participated in the open day. The CSE award was sponsored by Sachin Gadoya, Co-Founder and CEO, Musafir.com – AUS alumnus: Bachelor of Science in Computer Engineering, 2003.

To read more, [click here.](#)

Machine Learning and Data Mining visit to Sharjah Center for Astronomy & Space Sciences (SCASS) Research Labs

May 2, 2019: Students from COE 49404 Machine Learning and Data Mining along with Dr. Salam Dhou, Assistant Professor of Computer Science and Engineering, had a field visit to Sharjah Center for Astronomy & Space Sciences (SCASS) on Thursday, May 2, 2019. During the visit, students learned about SCASS research and how machine learning is being used for several applications





Industrial Computer Systems visit to Masafi Factory

May 1, 2019: Students from the COE 431 Industrial Computer Systems along with Dr. Abdulrahman Al-Ali, Professor of Computer Science and Engineering, and Eng. Ahmad Al Nabulsi, Lab Instructor of Computer Science and Engineering, had a field trip visit on Monday, April 22, 2019 to Masafi Factory. The field trip covered real-time applications of industrial computer systems and allowed the students to meet engineers in the field.

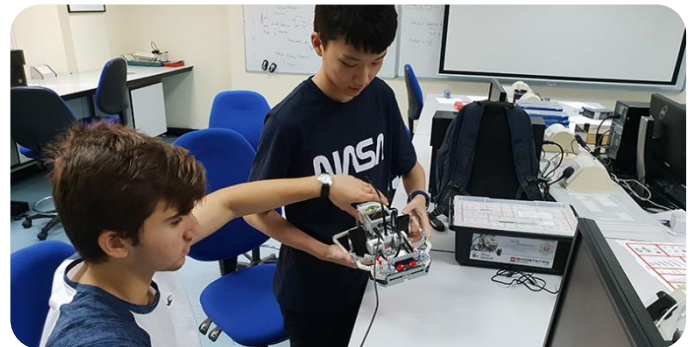
During the trip, students learned about the use of programmable logic controllers along with other industrial systems in the process of manufacturing and filling water and juice bottles.

Students from around the UAE participate in the 5th AUS High School Computing Camp

April 30, 2019: High school students from 10 schools around the country took part in the 5th AUS High School Computing Camp, where they learned about engineering and innovation.

During the five-day event, students had the opportunity to attend theoretical sessions and labs that covered the areas of digital systems design, programming, web development, mobile application development, smart home development, and robotics building and programming.

To read more, [click here](#).



AUS holds 10th successful AUS-emaratech School Computing Competition

April 24, 2019: School students from grades 7 to 12 had the opportunity to present their work in the areas of computer science and engineering at the 10th AUS-emaratech School Computing Competition (AeSCC) held at AUS on April 23.

Organized by CSE represented by Dr. Abdul Rahman Al-Ali and Dr. Tamer Shanableh, Professors of Computer Science and Engineering, along with the AUS Office of Enrollment Management in collaboration with emaratech, the competition aimed at paving the way for school students to excel in advanced sciences and technology.

To read more, [click here](#).



CSE Senior Design Projects featured in Pulse 95 Radio

April 18, 2019: Dr. Abdulrahman Al-Ali, Professor of Computer Science and Engineering, along with a CSE senior design project team were hosted by Pulse 95 Radio program Future Talk. The episode talked about the first-place winner, smart home automation system, at the International Conference on Consumer Electronics in Las Vegas. The winner project was developed by Omar Hamdan, Hassan Shanableh and Inas Zaki and was supervised by Dr. Al-Ali and Dr. Tamer Shanableh, Professors of Computer Science and Engineering.

Moreover, the episode also discussed a smart vehicle black box that was created by three AUS students, Maryam Alsaedi, Bashayer Al Marzooqi, and Anwar Elshaikh, with the mentorship of Dr. Al Ali and Dr. Assim Sagahyoon, Professors of Computer Science and Engineering.

To listen to the episode podcast, [click here.](#)



Two CSE faculty take part in The Sharjah Research, Technology and Innovation Park (SRTI Park) seminar

April 15, 2019: Two CSE faculty took part in The Sharjah Research, Technology and Innovation Park (SRTI Park) Future of Smart Manufacturing seminar.

Dr. Abdulrahman Al-Ali, Professor of Computer Science and Engineering, gave a talk on Cyber Physical Systems Role in Smart Manufacturing. Dr. Imran Zualkernan, Professor of Computer Science and Engineering moderated a panel discussion on Smart Manufacturing within the Smart City Context in which Dr. Al Ali participated too.

The event was attended by a number of scientists, leading industry experts and specialists from universities in the region.



CSE Student Clubs host the Annual CSE Dinner

April 15, 2019: Computer Club, UPE Society, IEEE-CS, and Computer Engineering Club hosted the annual CSE Dinner where professors and students celebrated the end of the academic year with engaging games and fun activities. The event serves to facilitate increased interaction between professors and students outside the classrooms and develops relationships within the CSE department.

The agenda for the evening included a professors vs. students quiz competition, spot the fake startup, a short award ceremony, a farewell address, and finally concluded with dinner.





CSE faculty raises cybersecurity awareness among university students

March 26, 2019: Dr. Fadi Aloul, Professor and Department Head of the Computer Science and Engineering (CSE) and the Director of the HP Institute at AUS, conducted a cyber security awareness seminar on Tuesday March 26.

The seminar was organized by the AUS Model Congress (AUSMC) and attended by AUS students, faculty and staff.

Improving the student experience a priority for CSE

March 25, 2019: The Department of Computer Science and Engineering (CSE) at AUS, part of the university's College of Engineering (CEN), has been using its in-house expertise to create student-focused, state-of-the-art digital solutions. The solutions form part of the college's commitment to providing a world-class student experience, helping students to stay engaged in their studies and able to perform at their best academically.

To read more, [click here](#).



AUS hosts talk on supercomputing and its applications

March 1, 2019: The High-Performance Computing (HPC) Center at AUS hosted a talk on supercomputing and its applications in scientific computing and data sciences. Dr. Saber Feki, Lead of the HPC Computational Scientist Team at King Abdullah University of Science and Technology (KAUST), highlighted the role of supercomputing in addressing many of today's increasing scientific, engineering, economical and societal challenges.

To read more, [click here](#).

AWARDS

CSE student recognized at University Awards for Excellence in Graduate Studies

May 12, 2019: AUS held its annual University Awards for Excellence in Graduate Studies for the academic year 2018-2019 to honor its top graduate students. Established to recognize the accomplishments of graduate students and their contribution to research and scholarly work in their fields, the awards are intended to stimulate a culture of excellence within the graduate student body.

Mohammed Alhusin, a student in the Master of Science in Computer Engineering program was awarded the Graduate Student Academic and Leadership Excellence Award.

To read more, [click here](#).



AUS team among teams honored at University Blockchain Challenge

May 8, 2019: A team of students from AUS was among the top teams honored at the University Blockchain Challenge held recently in Dubai. Amro Farouk, Alfarouk Hesham and Ahmed Abubakr from CSE and Mihails Balonuskovs along with Nikita Mitin from the School of Business Administration, comprised the AUS team that achieved fourth place in the competition, which saw teams from around the world participate.

To read more, [click here](#).

AUS team wins 3rd place in OMG MENA Data Science Competition

May 5, 2019: A team of students from AUS won third place at the OMG MENA Data Science Competition. The team competed against various teams from other leading universities in the region to solve a real data science problem statement. The team consisted of CSE students Sheikh Abdur Raheem Ali, Mohamed Alhusin, and Motamen Monawar along with Master of Engineering System Management student Ahmed Osman.





CSE team wins at RTA Hackathon

May 1, 2019: Two CSE students won the first place in the 2019 Roads and Transport Authority (RTA) Hackathon that was hosted at Burj Khalifa, April 21–23, 2019. This was the third Hackathon organized by the RTA to find advanced transport solutions through creativity, while steering sustainability.

The team consisted of Omar Mohamed and Elhoussine Talab and was advised by Dr. Ra'afat Abu-Rukba, Assistant Professor of Computer Science and Engineering.

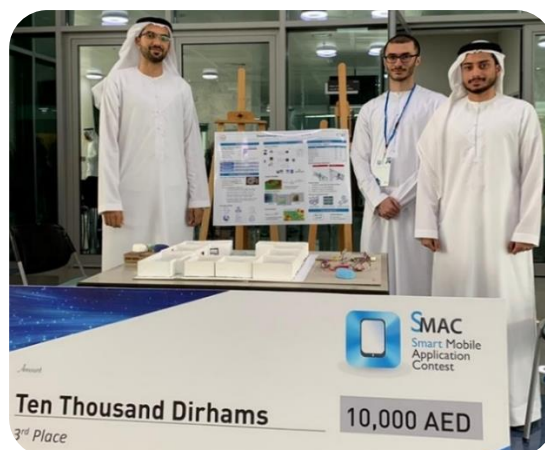
To read more, [click here.](#)

CSE team wins honors at Smart Mobile Application Contest 2019

April 30, 2019: A CSE team consisting of students Omar Al Hammadi, Hassan Al Noman, Salman Sowdagar and Vikram Sakkia, won the third place at the Smart Mobile Application Contest 2019 held at Khalifa University on April 28, 2019.

The team was mentored by Dr. Imran Zuolkernan, Professor of Computer Science and Engineering, and Dr. Fadi Aloul, Professor and Head of the Department of Computer Science and Engineering.

To read more, [click here.](#)



CSE club recognized for their outstanding extracurricular activities

April 30, 2019: AUS recognized more than 600 outstanding students at its Annual Student Appreciation Awards 2019 (ASAA19) held Monday, April 29. During the event the Institute of Electrical and Electronics Engineers Computer Society was awarded the Interest-Oriented Club of the Year award.

To read more, [click here.](#)

CSE students win second place at 8th International NYUAD Hackathon 2019

April 30, 2019: A team consisting of students from the Department of Computer Science and Engineering at AUS and other universities won second place at the 8th International NYUAD Hackathon 2019. CSE students Jayroop Ramesh and Vikram Sakkia, students, were part of a team that also comprised Rawand Deheliah from Al-Najah University in Palestine and Estelle Ocran from New York University Abu Dhabi.

To read more, [click here.](#)





CSE students win first place for smart emergency evacuation project at renowned regional conference

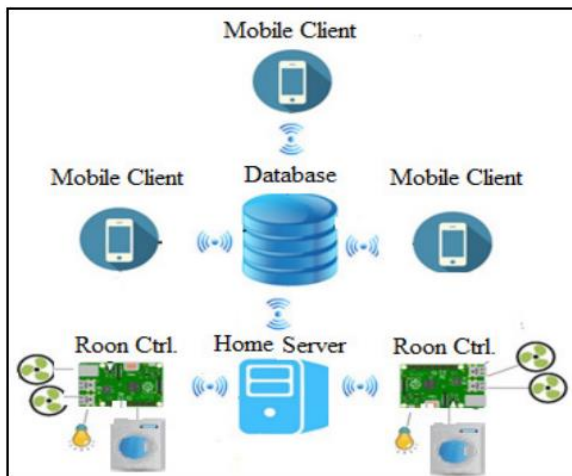
April 29, 2019: A CSE team won top honors at the Millennial Engagement Competition held recently at the Mega City Infrastructure Week for their project “Smart Emergency Evacuation.” The event was a regional conference themed around smart city innovation.

Students Omar Al Hammadi, Hassan Al Noman, Salman Sowdagar, and Vikram Sakki competed against 12 teams from various universities in two rounds. The project was supervised by Dr. Imran Zualkernan, Professor of Computer Science and Engineering, and Dr. Fadi Aloul, Professor of Computer Science and Engineering and Head of the Department of Computer Science and Engineering.

To read more, [click here.](#)

CSE students win first place at CyberTalents UAE national Capture the Flag (CTF) Cyber Security Competition

April 29, 2019: Two CSE students won the first place at the CyberTalents UAE National Cyber Security Capture the Flag (CTF) 2019 competition. The team consisted of Omar Elgafri and Youssef Awad. The team will now represent the UAE at the Arab Regional Cyber Security Competition CTF that will be held on September 22, 2019 in Egypt.



CSE wins first place at IEEE 37th International Conference on Consumer Electronics poster competition

April 17, 2019: The graduation project of CSE alumni titled “Internet of Things (IoT)-based interactive dual mode smart home automation” won first place in the poster competition category of the IEEE 37th International Conference on Consumer Electronics (ICCE) held in Las Vegas, USA, in January 2019.

The winner project was developed by Omar Hamdan, Hassan Shanableh and Inas Zaki and was supervised by Dr. Al-Ali and Dr. Tamer Shanableh, Professors of Computer Science and Engineering.

To read more, [click here.](#)

CSE students mental health app bags first place at Dubai Health Authority Health Hack 2019

March 7, 2019: A CSE team won first place at the Dubai Health Authority Health Hack 2019 for creating an application that aims to assist people with depression and anxiety. The team is currently working with the Dubai Health Authority to make it a reality. The team consisted of students Jayroop Ramesh, Vikram Sakkia, Niha Thodika, Shilpa Sujith, and Saad Aldeen.

To read more, [click here.](#)



CSE students win the HSBC-AUS Coding Challenge 2019

March 5, 2019: Three CSE students won the three top places at the HSBC-AUS Coding Challenge 2019. The challenge was a partnership between HSBC and AUS to organize the First Coding Challenge in the region. The competition spanned from Feb 13 to Feb 20, 2019. The three top winners were Sheikh Abdur Raheem Ali, Mohamed Alhusin, and Motamen Monawar respectively.

CSE student wins Dubai Police cyber security challenge

February 28, 2019: CSE student Youssef Awad won the first place at the second annual Capture the Flag (CTF), Dubai Police's cyber security competition. The event was organized to raise awareness and stress the importance of cyber security and was held February 22-23, 2019 at Hub Zero at City Walk in Dubai.

To read more, [click here.](#)



AUS team wins second place in the KPMG Innovation and Collaboration Challenge Competition

February 19, 2019: A team of senior students from AUS attended the KPMG Innovation and Collaboration Challenge, held at the Address Hotel, Dubai Marina over a span of three days from February 10-12, 2019.

Consisting of a computer engineer, two chemical engineers and a finance major, namely Mazin Raffi, Yedhu Gopan, Yameena Naqvi, and Hawa Bandey respectively, their idea, the "Protein Project", won them the overall runners-up place overall in the Lower Gulf region.

To read more, [click here](#)



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