



## CSE AT A GLANCE

### FACULTY

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

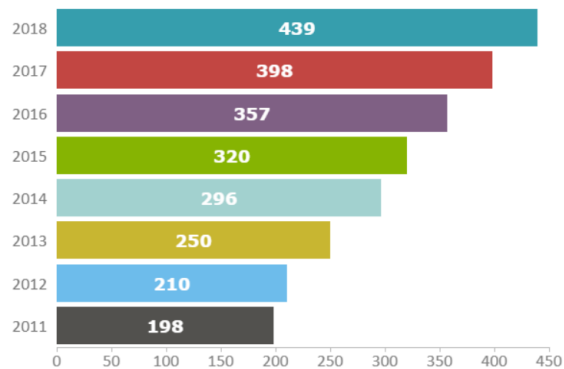
### PROGRAMS OFFERED

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

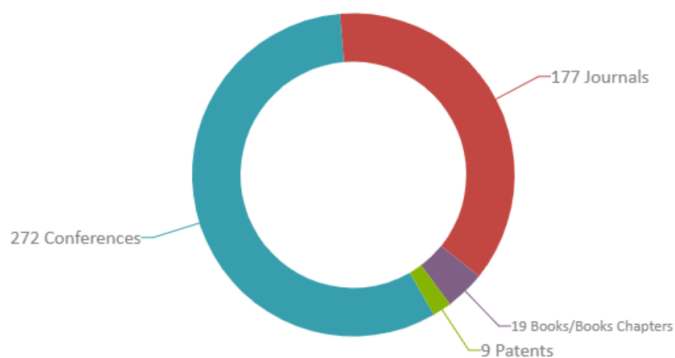
### GENDER DISTRIBUTION

65% Men  
35% Women

### STUDENT ENROLLMENT



### CSE PUBLICATIONS (2006-2018)



## CSE students win second place at the Gulf Traffic exhibition

**December 20, 2018:** Engineering students from American University of Sharjah (AUS) won second place in two categories of the Driving Innovation competition held at the Gulf Traffic exhibition.

The AUS team placed second in the Judge's Choice and People's Choice awards. The computer science and engineering students, Maryam Alsaedi, Bashayer Al-Marzooqi and Anwar Elshaikh, participated in the competition under the supervision of Dr. Abdul-Rahman Al-Ali, Professor of Computer Engineering and Ahmad Al Nabulsi, Laboratory Instructor.

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



## New batch of CSE students joins the AUS UPE honor society

**November 22, 2018:** A new batch of CSE students joined the AUS chapter of Upsilon Pi Epsilon (UPE), an international honor society for the computing and information disciplines. Undergraduate students who have completed at least 45 semester hours, including 15 semester hours in basic course in computer science and engineering, and have a GPA of at least 3.0 (with a GPA of at least 3.3, in all COE/CMP courses) can apply to be inducted into the honor society. Graduate students who have completed at least 18 semester hours and possess at least 3.6 GPA can also apply to become members.



## Leading industry experts attend AUS conference on Applications of AI, IoT, CPS in Smart Cities

**November 22, 2018:** Industry experts and academics from across the United Arab Emirates gathered at American University of Sharjah (AUS) on November 22, to discuss the latest trends and research in Artificial Intelligence (AI), Internet-of-Things (IoT), and Cyber-physical Systems (CPS) pertaining to smart cities. Entitled "Applications of AI, IoT and CPS in Smart Cities Summit," the conference was held in the AUS Main Building on campus and saw a diverse range of sessions and presentations.

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



AUS CSE Newsletter Editorial Team: Dr. Fadi Aloul, Praveena Kolli and Ahmad Al Nabulsi



## Two CSE faculty invited as speakers in the Emirates Center for Strategic Studies and Research (ECSSR) Annual Education Conference

**November 20, 2018:** Two CSE faculty were invited as speakers at the 9<sup>th</sup> Annual Education Conference of the Emirates Center for Strategic Studies and Research (ECSSR). Dr. Imran Zuolkernan, Professor of Computer Science and Engineering, talk was entitled "Harnessing Emerging Technologies in the Development of Educational Curricula." Dr. Michel Pasquier, Associate Professor of Computer Science and Engineering, talk was entitled "Education and Artificial Intelligence Technology."

## AUS hosts workshop on 5G technology

**November 13, 2018:** AUS hosted a Nokia Workshop on 5G Technology that examined the innovations and major technological revolutions brought about by Nokia, a global name in telecommunications.

The day-long event brought together faculty, students and information technology experts.

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



## CEN students win first place at ADIPEC competition

**November 13, 2018:** A team of four engineering students from American University of Sharjah (AUS) Society of Petroleum Engineers (SPE) chapter won first place at the SPE ADIPEC (Abu Dhabi International Petroleum Exhibition and Conference) University Program held recently. The team members were Vikram Sakkia (CSE), Nasir Khalid (ELE), Faris Al Janahi and Jason Rodrigues (CHE).

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





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## CEN engineering students receive funding for research projects

**November 12, 2018:** Two student teams from American University of Sharjah (AUS) were declared recipients of Sandoq Al Watan Fellowship's Capstone Design Project which supports undergraduate students in the UAE fund their research projects. The computer science and engineering team included Vikram Sakkia, Hasan Al Noman, Omar Al Hammadi and Salman Sowdagar with Drs. Fadi Aloul and Imran Zuolkernan, professors of computer engineering, serving as advisors.

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



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## CSE hosts workshop on startups software building skills

**November 11, 2018:** CSE hosted a workshop entitled: "How Startups Build Software" on November 11. The workshop was organized in collaboration with IEEE-CS AUS Branch. CSE alumnus Ahmad Abugosh, Director of Marketing and Learning Programs at Astrolabs, conducted the workshop. During the workshop, Abugosh guided the attendees through the steps startups follow to create effective mobile applications.

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## AUS becomes first university in the UAE to join IEEE SIGHT

**November 11, 2018:** American University of Sharjah (AUS) has become the first university in the UAE to become a part of the IEEE SIGHT student group, a Special Interest Group on Humanitarian Technology. With the addition of the AUS chapter, the international student group now has a reach of 44 countries across the world.

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



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## AUS students win first place at Cyber Quest

**October 22, 2018:** Two American University of Sharjah (AUS) students won first place at the Cyber Quest Competition, which aims to raise awareness about cyber security among school and university students. Youssef Awad and Brylle Gomez, students from the Department of Computer Science and Engineering (CSE), won the Cyber Exercise competition held as part of the university challenge.

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

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## CSE students meet their department head

**September 18, 2018:** As in each semester CSE students met their department head Dr. Fadi Aloul on September 18. During the meeting, Dr. Aloul welcomed the new joining students and highlighted the department achievements during the past semester. The meeting was concluded with a cake cutting ceremony celebrating CSE welcoming a record number of freshman students in Fall 2018.



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## AUS team wins international award for research on cyber security of the Internet of Things

**September 17, 2018:** An American University of Sharjah (AUS) team received the IEEE International Symposium on Sensing and Instrumentation in the IoT Era Award in China earlier this month for its research on cyber security and smart everyday devices known as the "Internet of Things" (IoT). The team's research was presented in the paper "Securing Low-Resource Edge Devices for IoT Systems," which was selected from 67 shortlisted research papers.

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

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## CSE faculty invited as a speaker at IMA Middle East Conference

**September 15, 2018:** Dr. Fadi Aloul, Professor and Department Head of the Computer Science and Engineering (CSE) and the Director of the HP Institute at the American University of Sharjah (AUS), was invited as a speaker at the 6th IMA Middle East Regional Conference in Amman, Jordan. Dr. Aloul's talk was entitled "The 2018 Cyber Threats Landscape."



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## Another successful High School Computing Camp held at AUS

**July 30, 2018:** Another successful edition of the American University of Sharjah (AUS) High School Computing Camp concluded on Thursday after a week of engineering design and innovation. Held July 22-26, the camp was organized by the Department of Computer Science and Engineering (CSE) at the university's College of Engineering (CEN).

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

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## AUS holds Smart City Research Institute workshop

**May 16, 2018:** The Smart Cities Research Institute at American University of Sharjah (AUS) held its First Round Table Discussion (RTD) on May 12 at the university. Present at the workshop were field experts and professionals from government, industry and academia. The RTD sought to identify state-of-the-art, feasible future implementation strategies for smart cities in the UAE and the GCC region.

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



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## AUS celebrates student achievements at University Awards for Excellence in Graduate Studies

**May 16, 2018:** American University of Sharjah (AUS) celebrated the achievement of its top graduate students for the academic year 2017–18 at the University Awards for Excellence in Graduate Studies held on campus, on May 14, 2108. The awards recognize a student's outstanding contribution to research, scholarly and creative work at the university and their contribution to the advancement of knowledge in their field. They also encourage a culture of excellence within the graduate student body as well as to promote the achievements of graduate students.

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



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## Industry experts conduct first HPC Center workshop at AUS

**May 8, 2018:** The High-Performance Computing (HPC) Center at American University of Sharjah (AUS) held a workshop attended by students and faculty members as well as members of the AUS community. The event was held in the university's Main Building. The workshop featured eminent speakers from industry and academia deliver lectures on various aspects of HPC and its future.

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







## AUS teams win top honors at 5G use innovation competition

**May 7, 2018:** Student teams from American University of Sharjah (AUS) won first and third place at the Driving the Future of 5G Innovation competition organized by Etisalat, Ericson and Intel. The competition, for engineering students in top UAE universities, had them find the most innovative 5G use cases in UAE industries. The winners were chosen based on parameters that included their business case potential, creativity and innovation, their 5G applicability and their benefit to UAE society.

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

## AUS celebrates student research at Annual Student Research Awards

**May 6, 2018:** Undergraduate research projects were recognized for their excellence and innovation at the Annual Student Research Awards Ceremony held at American University of Sharjah (AUS) on May 3. Sponsored by the Sharjah Islamic Bank (SIB) and organized by the AUS Office of Research, the annual awards recognize the best undergraduate student research projects at the university.

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



## Innovative projects by AUS engineering students unveiled at First Annual Engineering Design and Innovation Competition and Exposition (EDICE)

**May 2, 2018:** Industry professionals, experts, academics and students attended the opening of the First Annual Engineering Design and Innovation Competition and Exposition (EDICE) on May 1. The event was organized by the College of Engineering (CEN) at American University of Sharjah (AUS), with the support of Dubai Chamber of Commerce and Industry, which hosted the gathering.

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



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## CSE faculty awarded for research excellence during the Annual CEN Spring Assembly

**May 13, 2018:** Dr. Khaled El Fakih, Professor of Computer Science and Engineering, was awarded the AUS Excellence in Research award during the Annual CEN Spring Assembly. Dr. Khaled's Research areas are in software testing, synthesis of distributed systems, optimization and application of genetic algorithms.



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## DELL EMC EMEA Technical Director gives a talk at AUS

**April 24, 2018:** Martin Hilgeman, DELL EMC High Performance Computing (HPC) EMEA Technical Director, gave a talk to the AUS community on April 24. The talk was entitled "Trends in High Performance Computing and Challenges For a Platform Builder".

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## American University of Sharjah launches Certificate in Artificial Intelligence for Smart Cities

**April 25, 2018:** With the creation of Smart Cities high on the UAE government's agenda, a new course from the Center for Executive and Professional Education (CEPE) at American University of Sharjah (AUS) will help executives apply the benefits of Artificial Intelligence (AI) to their Smart City projects.

The Certificate in AI for Smart Cities is being delivered by CEPE in conjunction with the AUS College of Engineering's Department of Computer Science and Engineering. Topics to be covered include Big Data, Machine Learning, Cyber-Physical Systems, Internet of Things, Cyber Security and Blockchain, and Cloud Computing.

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







## CEN student wins OPCDE Capture The Flag Security Competition

**April 16, 2018:** Omar Elgafri, a computer science and engineering senior, won top honors at the OPCDE Capture The Flag (CTF) Security Competition, held recently in Emirates Towers, Dubai. This year's annual competition was a hard-fought event with Elgafri defeating industry professionals and students to emerge as the winner.

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

## Students from across UAE compete for honors at computing competition at AUS

**April 15, 2018:** More than a 120 school students from across the UAE, vied for top honors at the AUS-du School Computing Competition (AdSCC) held at American University of Sharjah (AUS), April 15. Organized by the College of Engineering (CEN) along with the university's Office of Enrollment Management (OEM), the competition saw students from 14 schools compete in five different categories.

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



## CSE student clubs organize a CSE social gathering event

**April 8, 2018:** CSE Faculty and students attended the CSE Social Gathering on April 8. The IEEE Computer Society, the Computer Club and the Computer Engineering Club organized the event. The aim of the event was to bridge the gap between faculty members and students and to be a good socializing opportunity for the CSE family. The event featured many fun activities such as talent show, games, videos screening and was concluded by a dinner.



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## CSE Faculty invited as a Panelist at “The Future of Cybersecurity Risk, Readiness and Energy Resilience” briefing by Bloomberg Live

**March 20, 2018:** Dr. Fadi Aloul, Professor and Department Head of the Computer Science and Engineering (CSE) and the Director of the HP Institute at the American University of Sharjah (AUS), was invited as a Panelist at “The Future of Cybersecurity Risk, Readiness and Energy Resilience” briefing by Bloomberg Live. During the briefing Bloomberg convened government and business leaders on the future of cybersecurity.



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## AUS computer science students win UAE National Cyber Security competition

**March 18, 2018:** A team from American University of Sharjah (AUS) recently won second place at the 2018 UAE National Cyber Security CTF competition, a competition where participants demonstrate their technical ability in the cybersecurity field.

Computer science and engineering student Omar Elgafri and alumna Mina Ghaly were two of the 34 participants in this year’s competition, the final round of which was held at University of Dubai on March 10. The team is now qualified to compete in the Arab Regional Cyber Security CTF that will be held in Egypt on August 8.

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



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## Graduate students and CSE faculty meeting

**March 18, 2018:** A short meeting was held on March 18 to introduce the new MSCoE graduate students to the CSE faculty.

During the meeting, Faculty and the new graduate students have discussed their backgrounds and research interests.





## AUS team wins the country's biggest data analysis challenge

**March 13, 2018:** A team comprising computer science and engineering students from American University of Sharjah (AUS) recently won first place in the UAE Hackathon: Data for Happiness, the country's biggest data analysis challenge. The competition aimed to use data to develop innovative solutions and ideas that contribute to the happiness of the community.

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

## AUS and UoS faculty members win AED 350,000 research grant for Innovation In Cyber Security Award

**February 28, 2018:** A joint research project undertaken by faculty members from American University of Sharjah (AUS) and University of Sharjah (UoS) was awarded the first Innovation in Cyber Security Awards organized by Dubai Electronic Security Center (DESC). Researchers from accredited higher education institutes within the UAE were asked to submit research proposals with a particular focus on cyber security. The winners were awarded a research grant of AED 350,000 each.

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





# CONTACT

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