Carnegie Mellon University in Qatar

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Carnegie Mellon University in Qatar is Carnegie Mellon's first and only undergraduate branch campus. Since 2004, it exists as part of a collaborative effort with the Qatar Foundation to bring outstanding American educational programs to the Middle East.

Degree Offerings

Carnegie Mellon University in Qatar offers four academic programs: Biological Sciences (http://coursecatalog.web.cmu.edu/schools-colleges/melloncollegeofscience/departmentofbiologicalsciences/#bsbibiologicalsciencetext), Business Administration (http://coursecatalog.web.cmu.edu/schools-colleges/tepper/undergraduatebusinessadministrationprogram/#bsnbusinesstimanagementtextcontainer), Computer Science (http://coursecatalog.web.cmu.edu/schools-colleges/ schoolofcomputerscience/undergraduatecomputerscience/), and Information Systems (http://coursecatalog.web.cmu.edu/schools-colleges/dietrichcollegeofhumanitiesandsocialsciences/informationsystems/#curricultextcontainer). To examine the requirements for those degrees, see their respective main campus college sections elsewhere in the Undergraduate Catalog. The purpose of this section is to describe the CMU-Q policies that are independent from those of the Pittsburgh campus and outline procedures that are common to students in all programs in Qatar.

Major Sample Schedules

Sample schedules for how CMU-Q students normally track through the academic programs can be found on the CMU-Q website as follows:

- Biological Sciences (http://www.qatar.cmu.edu/curriculum-bs/)
- Business Administration (http://www.qatar.cmu.edu/curriculum-ba/)
- Computer Science (http://www.qatar.cmu.edu/curriculum-cs/)
- Information Systems (https://www.qatar.cmu.edu/academics-research/academics/information-systems/)

Business Administration Concentrations

The concentration allows students to gain knowledge and expertise in a particular area of business practice. The concentration coursework prepares students with the knowledge and skills for their career pursuits. Completing a concentration is part of the degree requirements. Students are encouraged to declare their concentration by the end of their sophomore year.

Courses taken to meet concentration requirements are not allowed to double count toward any other BA degree requirements, including the minor requirements. The following concentrations may be completed at Carnegie Mellon University in Qatar:

- Accounting
- Business Analytics and Technologies
- Entrepreneurship
- Finance
- Global Economics and Business
- Marketing Management
- Operations Management
- Strategic Management

Information Systems Content Areas

As an Information Systems major, you will select a focused concentration to provide a deep dive into a subject that interests you consisting of a minimum of three 9 unit courses and a 12 unit project or research course (39 units total). Currently approved IS Concentrations on the Qatar campus include:

- Information Security & Privacy

The Information Security & Privacy concentration is designed to expose students to the key technical, process, and policy aspects related to information security and associated privacy concerns. The student who completes this concentration will have a solid foundation in the area and will be prepared to continue developing expertise through graduate school or their professional career.

- Data Science

The Data Science concentration is designed to capitalize on the continuously expanding quantity of data generated through our interconnected information systems and prepares the student to understand how to store, process, retrieve, and analyze data to derive insights and improve decision making for individuals, organizations, and society. The foundation developed in this concentration prepares the graduate to assist organizations to capitalize on the data they generate as well as to support research projects either as a graduate student or within their chosen profession.

- Digital Futures

The Digital Futures concentration is designed to prepare the student to understand and effectively innovate with information systems to support entrepreneurship, organizations, or society. The graduate with this concentration will often find themselves working in a larger organization or creating new organizations that capitalize on the benefits of information and information systems.

In addition to the approved concentrations, a student may choose to instead complete an approved minor or second major, or work with their advisor to develop a plan for an independent concentration.

Additional Major in Information Systems

Students who elect Information Systems as an additional major must fulfill all Information Systems degree requirements, including prerequisites, Professional Core, Disciplinary Core, and Concentration Area requirements. With respect to double-counting courses, the program will allow up to two courses to count between the additional major and a primary major. Students should begin planning their additional major as early as possible, as the Information Systems core courses are sequential, and are often the constraining resource for completion of the major.

Only one course can be double-counted between the Information Systems major and a minor.

Minors

In addition to the major degree programs, Carnegie Mellon also offers a number of minors. Minors typically consist of six courses that provide the student with substantial exposure to the core of that academic discipline. As with the major programs, the requirements of these minors are set by their respective departments on the main campus:

- Arabic Studies (advisor: Zainab Ibrahim) (https://scotty.qatar.cmu.edu/academic-services/minor-information/)
- Biological Sciences (advisor: https://scotty.qatar.cmu.edu/academic-services/minor-information/ Mohamed Bouaouina (https://scotty.qatar.cmu.edu/academic-services/minor-information/)) (https:// scotty.qatar.cmu.edu/academic-services/minor-information/)
- Business Administration (advisor: J. Patrick McGinnis) (https://scotty.qatar.cmu.edu/academic-services/minor-information/)
- Computational Biology (advisor: Saqib Razak) (https://scotty.qatar.cmu.edu/academic-services/minor-information/)
- Cognitive Neuroscience (advisor: Jennifer Bruder) (https:// scotty.qatar.cmu.edu/academic-services/minor-information/)
- Computer Science (advisor: Saqib Razak) (https:// scotty.qatar.cmu.edu/academic-services/minor-information/)
- Computer Science (advisor: Scott Reynolds) (https:// scotty.qatar.cmu.edu/academic-services/minor-information/)
- Economics (advisor: J. Patrick McGinnis) (https://scotty.qatar.cmu.edu/ academic-services/minor-information/)
- Global Systems and Management (advisor: Daniel Phelps) (https:// scotty.qatar.cmu.edu/academic-services/minor-information/)
- History (advisor: Ben Reilly) (https://scotty.qatar.cmu.edu/academic-services/minor-information/)
- Information Systems (advisor: Daniel Phelps) [only offered in Qatar] (https://scotty.qatar.cmu.edu/academic-services/minor-information/)
- Mathematical Sciences (advisor: Hasan Demirkoçaran) (https:// scotty.qatar.cmu.edu/academic-services/minor-information/)
- Neuroscience (advisor: Nesrine Affara) (https://scotty.qatar.cmu.edu/ academic-services/minor-information/)


Academic Standards and Actions

Academic Standards

Carnegie Mellon University in Qatar complies with common University policies unless otherwise noted. The curriculum requirements for the Biological Sciences, Business Administration, Computer Science and Computational Biology, and Information Systems majors are set by the respective departments of the Mellon College of Science, Tepper School of Business, the School of Computer Science, and the Dietrich College of Humanities and Social Sciences and the Heinz College of Information Systems and Public Policy on the main campus. At the university level, the same academic standards, policies, and actions apply to all programs at CMU-Q as at the Pittsburgh campus.

Graduation Requirements

Residency

Candidates for a Bachelor's degree must complete a minimum of four semesters of full-time study, or the equivalent of part-time study, comprising at least 180 units of coursework at Carnegie Mellon.

Cumulative QPA

To be eligible to graduate, undergraduate students must complete all course requirements for their program with a cumulative Quality Point Average of at least 2.0 for all courses taken. For undergraduate students who enrolled at Carnegie Mellon as freshmen and whose freshman grades cause the cumulative QPA to fall below 2.0, this requirement is modified to be a cumulative QPA of at least 2.0 for all courses taken after the freshman year. Note, however, the cumulative QPA that appears on the student's final transcript will be calculated based on all grades in all courses taken, including freshman year. Some programs may have additional QPA requirements in order to graduate. Students are encouraged to confirm all graduation requirements with their academic advisor.

University Honors

Students maintaining a cumulative QPA of at least 3.5 after seven semesters of full-time enrollment (consecutive or otherwise) or raising their QPA to 3.5 upon completing their graduation requirements in their final semester will graduate with University Honors.

Dean's List

Students earn Dean’s List recognition in a given semester by achieving one of two minimum standards. They must either earn a semester QPA of 3.75 or higher (while taking at least 36 factorable units and receiving no incomplete grades) or earn a semester QPA of 3.50 or higher (while taking at least 45 factorable units and receiving no incomplete grades). The CMU-Q Dean's List is calculated uniformly for all students across all majors due to the fact that CMU-Q majors are drawn from four different Pittsburgh colleges with varying Dean’s List criteria.

Academic Actions

Students carrying either a full-time course load (defined as 36 or more units) or a part-time course load (defined as fewer than 36 units) are subject to academic actions.

Failure to Meet Minimum Standards

Students are subject to academic actions if they fail to meet the minimum standards toward their degree.

The minimum standards are defined as follows:

- First-year students: a semester QPA of at least 1.75.
- Beyond the first year: a semester QPA and a cumulative QPA (excluding the first year) of at least 2.0.
- Students who begin a semester enrolled in 36 or more units and later drop below 36 units are subject to academic actions regardless of their semester QPA.

Probation

Probation occurs when a student's semester record fails to meet the minimum standards described above. The term of a probation is one semester as a full-time student. Students are removed from probation if they complete at least 36 units under the following circumstances:

- For a first-year student, probation is removed at the end of the second semester if the second semester's QPA is 1.75 or above.
- For students in the third or subsequent semesters, probation is removed if they raise their cumulative QPA above 2.00, and achieve a semester QPA of 2.0 or higher (excluding the first year).

Suspension

A student who fails to meet the minimum standards described above at the end of the probation semester will be suspended.

- A first-year student will be suspended if the QPA from each semester is below 1.75.
- A student in the third or subsequent semester of study will be suspended if the semester QPA or the cumulative QPA (excluding the first year) is below 2.00 for two consecutive semesters.

Suspension is for a minimum of one year and the student is required to follow University procedures for departing from campus. Students who have been suspended or have withdrawn are required to absent themselves from the campus within a maximum of two days after the action and to remain off the campus for the duration of the time specified. This action includes debarment from part-time or summer courses at the university for the duration of the period of the action. Suspected students may not hold student jobs with the university.

At the end of their suspension period, the student may petition to return to CMU-Q by:

- submitting a petition to Return from Leave of Absence form to the Enrollment Services Manager in Qatar, and
- providing evidence in writing to the Senior Associate Dean for Education that they have fulfilled return conditions (if any) and have taken convincing steps to ameliorate the cause of the suspension. The student must demonstrate that they are better prepared to perform above the minimum standards for graduation than before they were suspended.

Students will be notified by the University Registrar’s Office once their petition has been approved and their enrollment status has been updated to “eligible to enroll.” Students coming back from suspension are placed on Probation for the semester of their return.

Drop

A student who fails to meet minimum standards at any point after returning from a suspension is subject to a drop action. A drop action is a permanent severance; the student is required to follow University procedures for departing from campus and may not enroll again in the future.

The typical progression of academic actions is Probation, Suspension, then Drop. Because the intent of all academic actions is to take measures that are in the student's best interest, the school may bypass one or more of these steps in an unusual case and suspend or drop a student without prior probation.
Other Regulations Affecting Student Status

Adding a Class
Students may add classes to their schedule under the following rules:
• a full-semester course through the first 10 class days of the semester.
• a half-semester (mini) course may be added through the first 5 class days of the course.

Dropping/Withdrawing from a Class
Students may drop or withdraw from a class as prescribed by the university’s policy for doing so: https://www.cmu.edu/hub/registrar/course-changes/index.html (https://www.cmu.edu/hub/registrar/course-changes/)

Course Overloads
A normal maximum load for a CMU-Q student is 51 units. In order to overload (i.e., take more than 51 units but no more than 63), a student must have attained a QPA of at least 3.0 in the previous semester, or have a cumulative QPA of 3.0. A student wishing to pursue a greater number of units must petition the Senior Associate Dean for Education to do so.

Non-Carnegie Mellon Courses
Carnegie Mellon University offers students the opportunity to take courses for credit through a cross-registration program and through the receipt of transfer credit from other accredited institutions. The Carnegie Mellon transcript will include information on such courses as follows:
• Carnegie Mellon courses and courses taken through the university’s cross-registration program will have grades recorded on the transcript and be factored into the QPA.
• All other courses will be recorded on this transcript indicating where the course was taken, but no grade will be reported. Such courses will not be taken into account for academic actions, honors or QPA calculations.

Course Transfer
Students may receive credit for courses taken outside of Carnegie Mellon if they successfully petition the Senior Associate Dean for Education in advance for permission. Students must take these courses for a letter grade and instruction must be in English for non-language courses. Credit (but not the grade) will normally transfer for courses with a grade equivalent to at least a “B”. The class’s course description must be a close match to a Carnegie Mellon course or material covered in a range of Carnegie Mellon courses and from an accredited institution. Students may not receive credit for any courses taken on-line unless there is some safeguard to ensure that the actual student took the course (e.g., a proctored final taken under supervision at CMU-Q).

Students may not receive credit for more than five non-CMU courses during their undergraduate career as a Carnegie Mellon student. Courses taken prior to enrolling in Carnegie Mellon, during study abroad semesters, and as cross-registration with other Education City schools do not count toward the course transfer limit. All students must meet the University’s residency requirement of completing at least 180 units of Carnegie Mellon coursework.

CMU-Q students may study abroad for a second semester at another institution (not CMU Pittsburgh) if an appropriate additional study abroad opportunity arises and their academic advisor agrees.

Summer studies in Pittsburgh are not subject to any constraint other than not being on Suspension or Leave of Absence.

Transfer
Internally between majors at CMU-Q
Students may transfer between majors at CMU-Q on a space-available and academic performance basis. Students interested in transferring should consult with the Senior Associate Dean for Education and the Area Head of the new major. First-year students may not apply for transfer until they receive their spring mid-semester grades.

Between CMU-Q and Carnegie Mellon, Pittsburgh
Most majors in Pittsburgh have very few open spaces for transfer students. As a result, decisions about transfers to any major in Pittsburgh will be made by the receiving department, are highly competitive, and are not likely. Students interested in transferring to a major in Pittsburgh should consult with the Senior Associate Dean for Education regarding the process for requesting a transfer.

Transfers to CMU-Q from other Universities
Transfer students from other universities must apply through the Admissions Office at Carnegie Mellon University in Qatar. The Admissions Office, the Senior Associate Dean for Education, and the Area Head will determine if there is space available in the desired program and if the student’s past academic performance warrants admission.

Faculty
IMAN ADEINAT, Visiting Assistant Professor – Ph.D., University of New Orleans; Carnegie Mellon, 2021–
NESRINE AFFARA, Assistant Teaching Professor, Biological Sciences – Ph.D., Ohio State University; Carnegie Mellon, 2017–
SERKAN AKGUC, Assistant Teaching Professor, Finance – Ph.D., Temple University;
CHADI AOUN, Associate Teaching Professor – Ph.D., University of New South Wales; Carnegie Mellon, 2014–
RAVICHANDRA BACHI, Assistant Teaching Professor, Chemistry – Ph.D., The City University of New York; Carnegie Mellon, 2015–
HOUDA BOUAMOR, Assistant Teaching Professor – Ph.D., Université Paris Sud; Carnegie Mellon, 2015–
MOHAMED BOUAOUINA, Associate Teaching Professor – Ph.D., Pierre and Marie Curie University; Carnegie Mellon, 2013–
JENNIFER BRUDER, Associate Teaching Professor, Psychology – Ph.D., University of Munich; Carnegie Mellon, 2017–
ANIS CHARFI, Associate Teaching Professor – Ph.D., Technische Universität Darmstadt; Carnegie Mellon, 2015–
MILTON COFIELD, Distinguished Service Professor of Business Management – Ph.D., University of Illinois; Carnegie Mellon, 2017–
HASAN DEMIRKOPARAN, Associate Teaching Professor – Ph.D., Michigan State University; Carnegie Mellon, 2005–
GIANNI DI CARO, Associate Teaching Professor – Ph.D., Université Libre de Bruxelles; Carnegie Mellon, 2016–
KIRA DREHER, Assistant Teaching Professor – Ph.D., University of Minnesota; Carnegie Mellon, 2019–
MUHAMMAD FUAD FAROOQI, Area Head, Business Administration and Associate Teaching Professor – Ph.D., Richard Ivey School of Business; Carnegie Mellon, 2013–
SIMON FAULKNER, Assistant Teaching Professor – Ph.D., University College London; Carnegie Mellon, 2019–
MARIA PIA GOMEZ LAICH, Assistant Teaching Professor – Ph.D., Carnegie Mellon University; Carnegie Mellon, 2018–
SUSAN HAGAN, Associate Teaching Professor – Ph.D., Carnegie Mellon University; Carnegie Mellon, 2004–
SAMANEH HAMIDI, Visiting Assistant Professor, Mathematical Sciences – Ph.D., University of Malaysia; Carnegie Mellon, 2021–
MOHAMMAD HAMMOUD, Associate Teaching Professor, Computer Science – Ph.D., University of Pittsburgh; Carnegie Mellon, 2014–

KHALED HARRAS, Area Head, Computer Science and Full Teaching Professor, Computer Science – Ph.D., University of California-Santa Barbara; Carnegie Mellon, 2007–

ERIK HELIN, Special Lecturer, Spanish – M.A., Eastern Michigan University; Carnegie Mellon, 2006–

ZEINAB IBRAHIM, Teaching Professor, Arabic Studies – Ph.D., Georgetown University; Carnegie Mellon, 2009–

AGUSTIN INDACO, Assistant Teaching Professor of Economics – Ph.D., City University of New York (CUNY); Carnegie Mellon, 2019–

VALENTIN ILYIN, Associate Teaching Professor – Ph.D., Shubnikov Institute of Crystallography; Carnegie Mellon, 2012–

CHRISTOS KAPOUTIS, Associate Teaching Professor, Computer Science – Ph.D., Massachusetts Institute of Technology; Carnegie Mellon, 2012–

NIRAJ KHARE, Assistant Teaching Professor, Mathematics – Ph.D., Ohio State University; Carnegie Mellon, 2014–

MICHAEL TRICK, Dean of Carnegie Mellon University in Qatar and Harry B. and James H. Higgins Professor of Operations Research - Ph.D., Georgia Institute of Technology; Carnegie Mellon, 2017–

SAVANID VATANASAKDUL, Associate Teaching Professor, Information Systems – Ph.D., University of South Wales; Carnegie Mellon, 2017–

ANNETTE SHOBA VINCENT, Associate Dean, Diversity and Climate, Associate Teaching Professor – Ph.D., National University of Singapore; Carnegie Mellon, 2012–

PATRICK WALSH, Assistant Teaching Professor, Philosophy – Ph.D., Carnegie Mellon University; Carnegie Mellon, 2019–

GEORGE WHITE, Distinguished Career Professor, Entrepreneurship – Ph.D., University of Oregon; Carnegie Mellon, 2007–

MIKHAIL ZAYED, Associate Teaching Professor, Physics – D.Sc., ETH Zurich; Carnegie Mellon, 2017–