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Section I College Planning Guidelines

Start NOW (Never Obstainately Wait)

It's never too early to start planning for college. Decisions you make as early as the eighth grade can have a huge effect on your college career. Your high school transcript is a record of every grade you earned in high school (grades 9-12), and that means all your grades are averaged to produce your cumulative Grade Point Average (GPA). Colleges also expect your grades to be consistent or improve. Therefore, the effort you make (or not make) will have an impact on the type of college you will be accepted to, whether you could be eligible for a scholarship, your major and career choice... By making smart decisions, you can widen your choices and have endless possibilities to choose from.

Here's what you can do:

1. "If you expect to go to college later, expect to **study now**. No one can do it for you." (*The College Board*). Develop good study habits and other skills that will help you in college and beyond (see attached *Ten Ways School Prepares You for the Work World*).
2. **Challenge yourself** academically by taking challenging courses and consistently showing your best effort.
3. **Get extra help** if you need it.
4. **Get involved** in something you really like (sports, art, music, student council) and commit to it. Develop your talents and interests. Colleges like to see applicants who have shown leadership in one or more volunteer or extracurricular activities.
5. **Maintain a good behavioral record** and keep a good relationship with your teachers. They are the ones who will be writing your letters of recommendation.
6. **Read** at least 30 minutes every day. This will really pay off when it's time to take the PSAT and SAT (see Section IX for more details).

College Planning in 9th Grade

Your first year of high school is an exciting time but can also be intimidating. While you are adjusting the first few months, just remember that what you do in grade 9 does matter. If you face any difficulties, academically or socially, talk to your parents, your teachers, and your counselor/advisor. Get involved in extracurricular activities if you haven't already done so.

College Planning in 10th Grade

While grade 9 was all about transitioning to high school, grade 10 is all about starting your college planning. Start thinking seriously about your plans after high school. You don't have to make any major decisions yet. Explore and understand your options for colleges, majors and careers, and find out how to realize them. A good place to start is to search the *Guide to College Majors* available with the Registrar/College Advisor.

You will be taking the PSAT in October so you may want to prepare for it. Although your PSAT score doesn't mean much, you still want to do your best since this will give you confidence for taking the SAT next year and help you identify your points of weakness so you can work at strengthening them. Review your PSAT scores and use *My College QuickStart* (your access code will be on your score report) for SAT preparation, major, career and college searches.

College Planning in 11th Grade

The college admissions process begins seriously in grade 11. You need to spend a lot of time this year trying to figure out what you want to do with your life and where you want to apply to college. Start by making a list of your abilities, preferences and personal qualities and things you may want to study in college. Start your college search and make a list of the colleges that interest you. The *Guide to College Majors* and *Four-Year Colleges* are both available with the Registrar/College Advisor. During your senior year, you'll follow through with those plans by filing all the applications and presenting yourself to the colleges you've chosen. Make sure your 11th grade teachers know you well and have a good impression of your overall attitude and character since they will most likely be the ones you'll ask to write your letters of recommendation if they are requested.

Plan to take the SAT early in the year (SAT is given 6 times per year: in October, November, December, January, May, and June). If you haven't prepared for it yet START NOW!! You may also consider taking some SAT Subject Tests as well, since you'll need to submit two or three Subject Test scores if you plan to apply to highly selective and some selective colleges or certain majors such as Engineering, Medicine, and Pharmacy. If you wait until your senior year, your options will be a lot more limited. So take them in 11th grade then you can retake them in 12th grade if you're not happy with the results.

College Planning in 12th Grade

Your senior year is going to go by quickly. Within the first few months of your senior year, you'll decide where to apply, what scholarships to apply for, and who you'll ask to write your letters of recommendation. You'll also begin to complete your applications, write your essays, and possibly retake the SAT or SAT Subject Tests, and take the TOEFL or IELTS (see Section X for more details). Meanwhile, you'll need to make sure you get good grades and take on positions of responsibility and leadership in your extracurricular activities.

Prioritize the colleges on your short list (by deadline and by your desire to attend that college). Use the attached College Comparison Worksheet to help you compare between your selected colleges. Keep track of DEADLINES and admissions requirements especially if you are applying for early admissions. If you're going to apply to selective colleges, most of the application deadlines will be in January, February, or March, but some may have deadlines as early as November or December. It's a good idea to have a backup plan in case you either don't get accepted or don't receive enough financial aid to attend your college(s) of choice.

Here's important advice to seniors: avoid **senioritis** and the senior slump!! According to *Randall S. Hansen, Ph.D.*, there's a common misconception that once you've made it to your senior year, and especially if you've already been accepted by colleges, that senior grades don't matter. That's far from the truth! So continue to do your best. Some studies show that high school seniors who lost interest in high school because of a "senior slump" also had problems in college because they had lost interest and devaluated the importance of education. Make sure you're completing your graduation requirements and meeting course requirements of the colleges on your list. Your admission depends on a consistent or improving academic performance on the final transcript. And you don't ever want to face the worst-case scenario: not graduating with your class because you are short one credit because you failed a course.

Section II

College Selection Process

If you're in grade 9 or 10, start by making a list of potential colleges and checking out college websites and ask for ideas from friends, family and teachers. Keep a big list of every college or university that interests you. Consider the size, location, programs and majors available, cost and financial aid, extracurricular activities and student life. Over four years of high school, what you want may change. Sometimes your best fit college is not one you would have predicted.

In grades 11 and 12 you will focus on narrowing your selection and choosing a college that best fits your needs and interests. Every college is different and some will suit your personality better than others. Some students do best at large universities, others excel in small liberal arts colleges, while other students want to study abroad. Some students need a challenging academic environment and others don't. Don't choose a college because your friends are going there or because of its prestige. Finding a college that is a good match for you requires time and thoughtfulness.

Here are 5 simple steps to help you in your selection process:

STEP 1: Assess Your Interests.

Talk with your family, friends, and college advisor. What would you like to study? What are your abilities and strengths? What are your weaknesses? What skills do you have? Do you like to work with people, information, and/or things? What are your best subjects at school? You don't need to know exactly what you want to do, but it's important to think about the future and the importance of a college degree in achieving your dreams. Narrow down your career choices by ruling out what careers do not interest you. Check the *Guide to College Majors* and the Internet for more guidance.

In liberal arts colleges and some universities, you don't need to declare your major except after the first or even second year. Being undecided is sometimes a good thing since it leaves you open to more academic experiences. Other universities do not offer this flexibility and sometimes not all credits are transferred if you decide to change your major. One of the reasons to choose a major is to prepare for a specific field or job. Another reason is to study a subject that you love. This means you may end up in a career that has little to do with what you studied but it doesn't mean you will graduate without skills. For example, most History majors don't become historians but they do graduate with critical thinking and writing abilities that are highly valued by employers.

STEP 2: Identify the Type of University You're Looking For.

(a) LOCATION - Do you want to stay close to home? How far are you willing to travel? Do you want to be in a small town or a large city?

(b) SIZE - Would you like to be in a small college/university where you will get more personalized attention? How about a larger university that might have a bigger variety of academic offerings and resources? Or maybe a middle sized one that may offer a bit of each?

(c) TYPE OF UNIVERSITY/COLLEGE - Do you want to go to a public or private institution? A liberal arts school or a technical college? A four year institution or a two year college?

There are many different types of colleges for you to choose from. By understanding what each college offers, you will be able to choose the school that best fits your needs.

Universities

- Very large selection of majors and research facilities, with greater variety of classes
- Undergraduate, graduate, doctorate, and professional programs may be offered
- Usually offer four-year programs
- Greater access to more faculty and expertise
- Larger class size

Liberal Arts Colleges

- Wide range of courses, usually emphasizing humanities, social science, and science
- Mainly offer undergraduate programs
- Small class sizes
- Personal attention

Community or Junior Colleges

- Smaller variety of course selection that focuses on job training
- Direct preparation for entering the work force
- Usually two-year programs
- Small class sizes

Vocational Training

- Similar to community colleges, offering a variety of job-training options
- Shorter programs, ranging from five months to three years
- Concentrated curriculum
- Small class sizes

Agricultural, Technical, or Other Specialized Colleges

- Very specialized programs emphasizing preparation for specific careers
- Offer associate degrees, technical diplomas, apprenticeships, and certificate programs
- Small class sizes

STEP 3: Make a List of Universities.

Figure out what type of school best fits your interests and make list of universities that meet your needs. Your college education is an investment in your future. Therefore, choosing the best university for your academic interests, educational goals, and career plans is essential. Look at a university/college guide which you will find in your college advisor's office. Check out college websites, write to the colleges selected and ask for a catalog, an admissions application, and a financial aid application (both of which are probably available online). Also, try to attend some college fairs. There are at least 4 or 5 college fairs in the fall that you can attend in Cairo where you will find a large selection of colleges and universities and get the opportunity to speak directly to their representatives.

STEP 4: Narrow Down the List.

Which colleges have the majors/programs you're interested in? Eliminate the ones that don't have a good match with your interests. Look at the admissions requirements. Do you meet their standards? Do they require SAT I and/or SAT II? Are your SAT scores high enough? Is the TOEFL required for non-native English speakers? Visit the campus and ask questions. Remember, you are also interviewing them to see if they meet your requirements.

Characteristics to Consider

Location	Environment	Size
<ul style="list-style-type: none">• Urban or rural• Distance from home• Weather	<ul style="list-style-type: none">• Single-sex or coed• Religious affiliation• Two-year or four-year programs	<ul style="list-style-type: none">• Size• School enrollment• Class size• Student-faculty ratio
Available Programs	Cost	Admission Requirements
<ul style="list-style-type: none">• Areas of study and course offerings• Majors, minors, and degrees offered• Faculty with expertise• Credibility and reputation• Academic rigor (How hard is it?)	<ul style="list-style-type: none">• Estimated total budget• Application fees and deposits• Scholarship program• Financial Aid program• Out-of-state tuition• Cost of living	<ul style="list-style-type: none">• Deadlines• Required tests• Average test scores, GPA, and class rank• Special requirements and notifications
Facilities	Social Atmosphere	Campus Visits
<ul style="list-style-type: none">• Campus environment and size• Recreation• Dorms: types, sizes, food plans, and classrooms	<ul style="list-style-type: none">• Activities• Clubs and organizations• Athletics: varsity, intramural, club• Job availability	<ul style="list-style-type: none">• Ease of visitation• Campus tours

Prioritize the Characteristics

- Choose what is most important to you.
- Evaluate colleges by your top priorities first and then work your way down your list.
- Use the attached College Comparison Worksheet to help you in your selection process.

STEP 5: Decide Which Universities/Colleges You Will Apply To.

Based on the search done in steps 1 through 4, select the universities/colleges which meet your requirements. It is always a good idea to discuss your selections with family members, friends, your college advisor, since they may have some information about the colleges you are considering. Don't put all your eggs in one basket! You should apply to at least four universities/colleges: the best college you can get into, two where you might be accepted and one where you are sure you will be admitted. Do not eliminate a university/college just because it seems to be too expensive.

If you're not sure you can afford the costs, remember that all universities/colleges offer some type of financial aid. But, you need to fill out the financial aid forms early. **Remember to submit all applications BEFORE their due date.**

Section III

College Application Process

When you apply to a college or university you'll submit several things: an application, high school transcript, SAT score report, TOEFL may be required, letters of recommendation and one or more personal statements or essays. Applying for financial aid is a separate process that requires you to fill out a separate set of forms. You can fill out a paper application or apply online. Most colleges require you to list basic information about you and your family, as well as your GPA, standardized test scores, and any extracurricular activities or awards you earned.

More than 400 college and universities (out of around 3,500) in the U.S. now accept the Common Application, which you can find at www.commonapp.org. This is a single form that you can fill out and submit to several universities to simplify the admissions process for you so you won't have to fill out individual application forms for each university you apply to.

Similarly, most applications to UK universities for full-time courses (degrees) are made through UCAS (the Universities and Colleges Admissions Service). You will find over 300 institutions listed on the UCAS website www.ucas.com. The deadline for international applications is June 30 (about 2 months before the start of courses) whereas the deadline from within an EU country is January 15, with earlier deadlines for Oxford and Cambridge, and for medical and art and design courses. Therefore, try to apply by that date to guarantee a place and allow plenty of time to receive replies and make visa, accommodation, and travel arrangements.

The only university in Egypt that has an early deadline for application in March is the American University in Cairo (AUC). This means that you need to have all your documents submitted by then in order to be considered for admission in September. Other universities may have early application periods which allow you to reserve a tentative place and make use of any scholarships, but deadlines are in late July upon receiving the final, stamped transcripts.

Student Responsibilities can be summed up in the following:

1. Meet with the College Advisor to discuss university choices. In most cases, this will involve more than one meeting. (These meetings start during the spring of Grade 11 and continue through Grade 12).
2. Discuss your university choices with your parents. Research choices. Talk with the College Advisor, check university web sites, and take advantage of visiting university representatives.
3. Know requirements for admission and application deadlines. Requirements vary from university to university and country to country.
4. Take appropriate tests (SAT, TOEFL, IELTS), making sure you register for them **on time**.
5. If applying to US or Canadian institutions, make sure TOEFL and SAT examinations are taken by the end of January of your senior year.
6. Fill out your application forms (this is the student's responsibility.) In most cases, you can either complete your applications online or download a copy to complete.
7. Determine how you will pay your application fees (usually a credit card or check is required; in Cairo, you can pay in cash.)
8. Write your Essay(s) and/or Personal Statements.
9. Request letters of recommendation from your teachers and/or College Advisor.
10. Request transcripts from Ms. Azza by filling out a form listing the universities to which you are applying and the addresses, phone numbers, and student number for each. Pay courier costs to the NAC Accountant and submit any documents or papers you wish to include.

Section IV Top U.S. Colleges and Universities

Ivy League Schools

The **Ivy League** is an athletic conference made up of eight private institutions of higher education in the Northeastern United States, known for their academic excellence, selectivity in admissions, and social elitism. Ivy League schools are some of the most prestigious universities worldwide and are often ranked amongst the best universities in the United States and worldwide. Below are the 2009 acceptance and enrollment figures.



Getting into an Ivy League school can be a difficult process since Ivy League schools are fairly small and there is fierce competition for freshman admission. The following is a general list of the criteria most applicants meet:

- A 1950 or better on the SAT I
- A 700 on each of 2 SAT II subject tests
- A minimum 3.75 GPA, although many applicants do have a 4.0
- Leadership experience and extra-curricular activities that set you apart from the group
- A well-written college essay that provides a look at your accomplishments, character, personality, and career goals
- Strong letters of recommendation from teachers, counselors, or other adults who know you and can assess your potential for success in a college environment

1. Brown University, Providence, Rhode Island

- **Acceptance rate:** 11%
- **Enrollment:** 8,574 (6,244 undergraduates)

2. Columbia University, New York, New York

- **Acceptance rate:** 11%
- **Enrollment:** 24,230 (7,743 undergraduates)

3. Cornell University, Ithaca, New York

- **Acceptance rate:** 19%
- **Enrollment:** 20,633 (13,931 undergraduates)

4. Dartmouth College, Hanover, New Hampshire

- **Acceptance rate:** 13%
- **Enrollment:** 5,987 (4,196 undergraduates)

5. Harvard University, Cambridge, Massachusetts

- **Acceptance rate:** 7%
- **Enrollment:** 27,651 (10,257 undergraduates)

6. Princeton University, Princeton, New Jersey

- **Acceptance rate:** 10%
- **Enrollment:** 7,592 (5,113 undergraduates)

7. University of Pennsylvania, Philadelphia, Pennsylvania

- **Acceptance rate:** 18%
- **Enrollment:** 24,599 (11,954 undergraduates)

8. Yale University, New Haven, Connecticut

- **Acceptance rate:** 9%
- **Enrollment:** 11,593 (5,275 undergraduates)

The Five College Consortium

This is a prestigious group of four colleges and one university. Students in the member institutions take classes on any of the five campuses allowing for the type of breadth and interdisciplinary study that wouldn't be possible at a single college. Combined, the five colleges offer roughly 6,000 courses to about 30,000 undergraduates. A free bus connects all the campuses.

1. Amherst College, Amherst, Massachusetts

- **Acceptance Rate:** 18%
- **Enrollment:** 1,683

2. Hampshire College, Amherst, Massachusetts

- **Acceptance Rate:** 57%
- **Enrollment:** 1,431

3. Mount Holyoke College, South Hadley, Massachusetts (for women)

- **Acceptance Rate:** 52%
- **Enrollment:** 2,204

4. Smith College, Northampton, Massachusetts (for women)

- **Acceptance Rate:** 52%
- **Enrollment:** 3,065

5. University of Massachusetts at Amherst, Amherst, Massachusetts

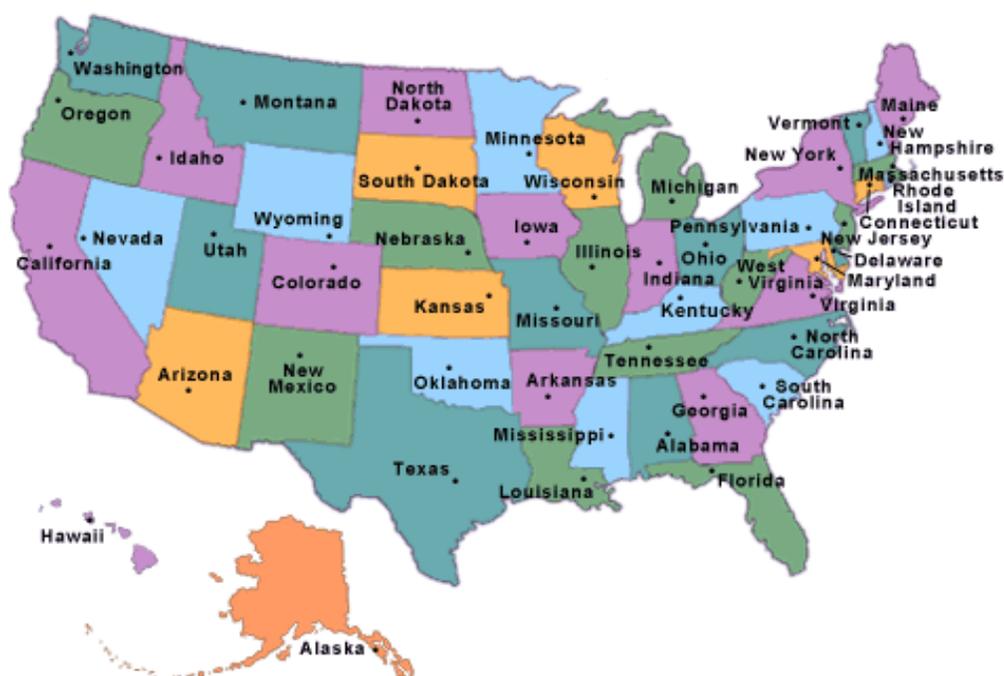
- **Acceptance Rate:** 66%
- **Enrollment:** 25,873

Information for International Students

The universities with the greatest proportion of international undergraduate students are listed below. If a university is listed in *italics*, it gives financial aid to more than 50 international students each year.

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <i>United States International Univ.</i> - CA 2. Florida Institute of Technology - FL 3. New School University - NY 4. <i>Clark University</i> - MA 5. American University - DC 6. Andrews University - MI 7. University of Tulsa - OK 8. Illinois Institute of Technology - IL 9. <i>Eckerd College</i> - FL 10. <i>Macalester College</i> - MN 11. Bennington College - VT 12. <i>Ohio Wesleyan University</i> - OH 13. Mount Holyoke College - MA 14. Howard University - DC 15. <i>George Washington University</i> - DC 16. <i>Beloit College</i> - WI 17. University of San Francisco - CA 18. University of Miami - FL 19. University of Denver - CO 20. Univ. of Southern California - CA 21. Stevens Institute of Technology - NJ 22. <i>Knox College</i> - IL | <ol style="list-style-type: none"> 23. Georgetown University - DC 24. California Institute of Technology - CA 25. Bethany College - WV 26. <i>Washington College</i> - MD 27. University of Oregon - OR 28. Tufts University - MA 29. St. Andrews Presbyterian College - NC 30. <i>Smith College</i> - MA 31. Randolph-Macon Woman's College - VA 32. Pepperdine University - CA 33. <i>Middlebury College</i> - VT 34. <i>Massachusetts Institute of Technology</i> - MA 35. Drexel University - PA 36. <i>Dartmouth College</i> - NH 37. Carnegie Mellon University - PA 38. <i>Bryn Mawr College</i> - PA 39. <i>Grinnell College</i> - IA 40. <i>College of Wooster</i> - OH |
|---|--|

The states which are most popular with international students are Massachusetts, California, Washington DC, Pennsylvania, Ohio, New York, Illinois, Texas, Michigan, Florida, Wisconsin, Vermont, Minnesota, Maryland, and Iowa.



Section V **Top 20 Universities in Canada**

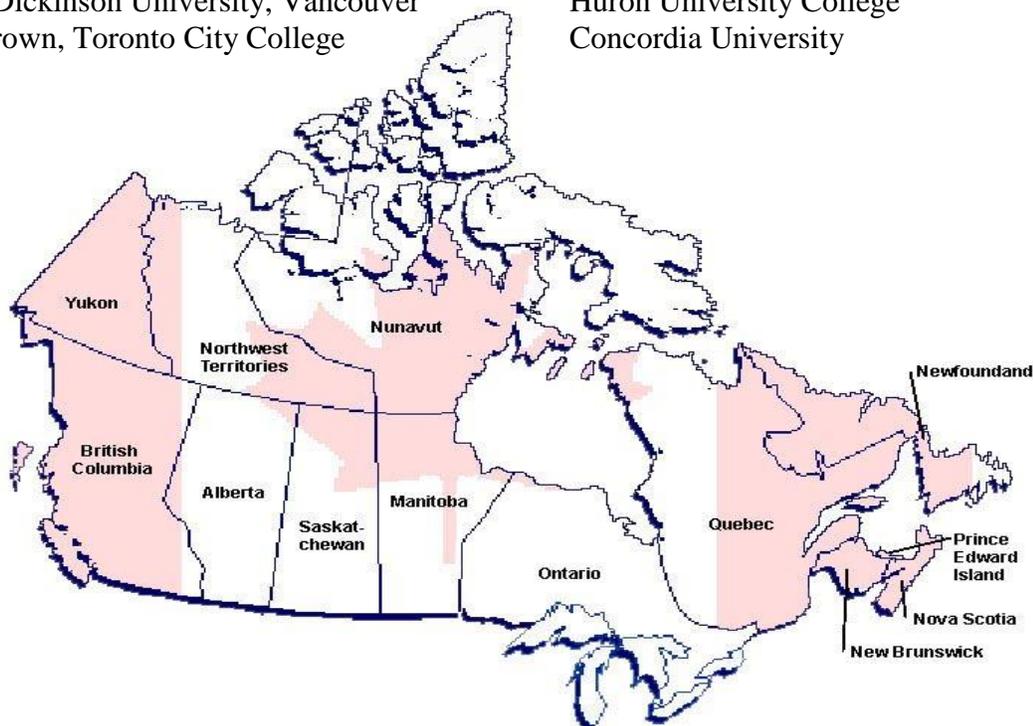
1. **McGill University**, Montreal, Quebec
2. **University of Toronto**, Toronto, Ontario
3. **University of British Columbia (UBC)**, Vancouver, British Columbia
4. **University of Alberta**, Edmonton, Alberta
5. **Queen's University**, Kingston, Ontario
6. **University of Montreal**, Montreal, Quebec
7. **University of Waterloo**, Waterloo, Ontario
8. **McMaster University**, Hamilton, Ontario
9. **University of Western Ontario**, London, Ontario
10. **University of Calgary**, NW Calgary, Alberta
11. **Dalhousie University**, Halifax, Nova Scotia
12. **Simon Fraser University**, Burnaby, British Columbia
13. **University of Ottawa**, Ottawa, Ontario
14. **University of Victoria**, Victoria, British Columbia
15. **Laval University**, Sillery, Quebec
16. **York University**, Toronto, Ontario
17. **University of Manitoba**, Winnipeg, Manitoba
18. **Carleton University**, Ottawa, Ontario
19. **Concordia University**, Montreal, Quebec
20. **University of Quebec**, Quebec City, Quebec

Information for International Students

Scholarships and awards for international students are available at some Canadian institutions for students with exceptional results. The amount and type of award varies from one institution to another. Obtaining a scholarship is competitive and applications must be made directly to each university. Below are only some of the universities that offer scholarships or awards specifically to international students.

University of Lethbridge
University of Saskatchewan
York University
University of Calgary
Fairleigh Dickinson University, Vancouver
George Brown, Toronto City College

Vancouver Island University
Sheridan Institute of Technology & Advanced Learning
Thompson Rivers University
Huron University College
Concordia University



Section VI Top 20 U.K. Universities

1. University of Cambridge
2. University of Oxford
3. Imperial College London
4. London School of Economics
5. Durham University
6. University of St. Andrews
7. University College London
8. University of Warwick
9. Lancaster University
10. University of Bath
11. University of Bristol
12. University of York
13. University of Edinburgh
14. University of Southampton
15. University of Exeter
16. King's College London
17. University of Nottingham
18. (SOAS) The School of Oriental and African Studies, University of London
19. Loughborough University
20. University of Sussex



Information for International Students

The UK is the second most popular destination for students from overseas, after the USA. The length of full-time courses/Bachelor degrees at UK universities is 3 years since the British system of education offers 13 years of education before entering university. Therefore, American high school graduates have to take a one-year foundation course before they start their degree. Although UK universities do not look at SAT scores, they do require you to submit TOEFL or IELTS scores. Some selective universities may also require that you take one or two AP courses but may accept SAT II subject tests instead.

International students living in countries outside the EU will usually pay full-cost tuition fees in all of the UK universities. In addition, you will **not** be eligible for the loans and grants available to UK and EU students. It must be emphasized that UK scholarships for international students are limited. The majority are for post-graduate study, although there are one or two plans for which undergraduates can be considered in exceptional circumstances.

UK Universities with the largest number of international students (in ascending order):

- | | |
|--------------------------------|----------------------------------|
| Buckingham | Abertay Dundee |
| London School of Economics | Nottingham |
| Lampeter | Edinburgh |
| Imperial College London | Cambridge |
| University of the Arts, London | Oxford Brookes |
| University College London | Queen Mary |
| St Andrews | Westminster |
| Royal Holloway | Robert Gordon |
| Essex | Kingston |
| SOAS | Northumbria |
| Bath | Leicester |
| Edinburgh Napier | Thames Valley |
| Bedfordshire | Goldsmiths College |
| Warwick | University for the Creative Arts |
| Heriot-Watt | Aberystwyth |
| Bradford | Anglia Ruskin |
| City | Oxford |
| London Metropolitan | York |
| Aston | Portsmouth |
| Surrey | Sussex |
| Aberdeen | Hertfordshire |
| Sunderland | Central Lancashire |
| East London | Southampton |
| Middlesex | Brunel |
| Manchester | Sheffield |
| Coventry | Bristol |
| King's College London | Reading |
| Greenwich | UWIC, Cardiff |
| Queen Margaret | Brighton |
| Kent | Glamorgan |
| Lancaster | |

Section VII **Top Private Universities in Egypt**

American University in Cairo (AUC) (www.aucegypt.edu; Phone: 2615-1000)



AUC is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools in the United States (MSCHE /Middle States). In Egypt, AUC operates according to an agreement between the Egyptian and the U.S. governments. AUC's computer studies and engineering programs are accredited by the Computer Science Accreditation Board and the Accreditation Board for Engineering and Technology (ABET), which is recognized worldwide. AUC's School of Business has accreditation from the Association to Advance Collegiate Schools of Business (AACSB International), the highest standard of achievement for business schools. AUC also has a New York office that works closely with Cairo-based offices to provide services as needed.

AUC's undergraduate academic program includes more than 30 majors and more than 40 different minors. Students may choose to have one major or double major and one minor or a double minor, provided they fulfill each of the departments' requirements. All accepted students are "undeclared" for their first year of study with the exception of Engineering students. This gives AUC students the chance to explore different majors before they decide on the one they want to pursue. Below is a list of the majors offered at AUC.

Accounting (B.AC.)

The objective of the Bachelor of Accounting degree is to provide theoretical and practical knowledge to graduates who will prepare, report and analyze economic and financial information in order to make appropriate managerial decisions. Students who seek the Bachelor of Accounting degree (BAA) are not permitted to have a major or minor in Business Administration.

Anthropology (B.A.)

Anthropology is the comparative study of peoples, societies, and cultures. It consists of four sub-disciplines: socio-cultural, linguistics, archaeology and physical Anthropology. Students could pursue careers in teaching, research and applied anthropology, such as in international development agencies, non-governmental organizations, private sector, social service, media, and heritage preservation. There is an inter-disciplinary specialization in Community Development for students majoring in anthropology, psychology or sociology.

Arabic Studies (B.A.)

The department of Arab and Islamic Civilizations offers a multi-disciplinary study of the history and culture of the Middle East since the rise of Islam. Its objective is to develop a wide awareness of Arab-Islamic civilization and to be able to critically examine the different religious, intellectual and cultural components of this civilization. Students should find opportunities in any line of work where knowledge of Middle Eastern culture or analytical and communication skills are important. Specializations include Middle Eastern History, Arabic Literature, or Islamic Art & Architecture.

Art (B.A.)

The curriculum balances practical experience and theoretical knowledge in both studio and art history courses, including an awareness of non-western, especially Arab/Egyptian, artistic traditions. As an Art major you can concentrate in Digital Arts & Design or Traditional Egyptian Arts.

Communication and Media Arts (B.A.)

This degree combines media practice with communication theory, covering a wide range of perspectives and various contemporary media practices. Courses include Advertising/Public Relations, Radio/Television, and Visual Communication (photography...).

Economics (B.A.)

Economics is the study of the production, distribution, and consumption of goods and services, including the theory and management of economies or economic systems. The curriculum includes courses in Statistics, International Trade, and Economic Development. Graduates have assumed key positions in local-private and governmental- as well as international institutions such as the United Nation, the World Bank and the International Monetary Fund.

Egyptology (B.A.)

Egyptology is the scientific study of the history and culture of Ancient Egypt, from language and religion to art, architecture and social structure. The program aims at preparing students for careers in the science of Egyptology and on the preservation and management of Egypt's material heritage, including Ancient Egyptian language and scripts as well as excavation and site analysis.

English and Comparative Literature (B.A.)

The program includes the study of literature ranging from Ancient World Classics to Contemporary and Modern European and American Literature. It introduces students to the different questions and answers which literature has provided to the problems of human experience.

History (B.A.)

The history major covers a variety of European, American and Middle Eastern topics, and allows students the flexibility to develop and pursue their own interests. All courses develop an appreciation of the richness, complexity, and diversity of past civilizations. Students are prepared for a wide variety of careers, ranging from law or diplomacy to journalism or business.

Honors Program in Political Science (B.A.)

Students must complete the general electives and the collateral courses required of all Political Science majors, and are required to do a Senior Year Thesis in addition to other specialized courses.

Integrated Marketing Communication (B.A.)

The objective of this major is to combine all communication tools in order to communicate one unified message from the organization (or the brand) to its target consumers. The program includes the fundamentals of strategic planning, media research, budgeting, creative strategy, creative development, media planning, production, modern corporate image, branding, social responsibility, event marketing, sales promotions, direct marketing, and public relations.

Journalism (B.A.)

Students are exposed to all fields of mass communication and journalism, such as print, broadcast and the Internet. They are also provided with a foundation in the basic reporting and writing skills needed for all aspects of journalism, as well as focusing on ethics and the important role journalism plays in society.

Middle East Studies (B.A.)

Middle East Studies is an interdisciplinary program with courses taught by faculty from Anthropology, Arabic Studies, Economics, History, Management, Political Science, and Sociology. Students gain a comprehensive understanding of the modern Middle East through intensive study of the region's history, culture, and current issues.

Music Technology (B.A.)

This degree prepares students for a career in sound engineering with courses in music recording, editing, and production, music for video and film, and electronic music. Students are taught the theory, literature, and performance of music, and the theory and practice of music technology, with performance and study in both Western and Arab music. Membership in the Cairo Choral Society is optional. The Cairo Choral Society is a community chorus presenting performances with a professional orchestra (the Cairo Festival Orchestra) and soloists at various venues in Cairo.

Philosophy (B.A.)

Philosophy involves asking questions about such topics as the possibility of knowledge, the self and its place in the world, beauty and spiritual experience, the meaning of religious experience, the justification and limits of power, and the purpose and meaning of philosophical inquiry itself. The department offers a range of courses from ethics, theory of knowledge, Islamic philosophy, political philosophy, the philosophy of art, the history of philosophy, and contemporary topics such as philosophy and technology, self and society, and development and responsibility.

Political Science (B.A.)

The program aims at understanding the modern world and its complex mechanisms, governing structures, and distribution of values. Students can take a General Political Science degree or specialize in any of the following: International Relations, Middle East Politics, Political Economy, or Public and International Law. Graduates occupy positions in public, private, development agencies, the diplomatic service, governmental ministries and agencies, and university teaching.

Psychology (B.A.)

Psychology is the scientific study of human behavior and mental processes. The program emphasizes physical, mental, emotional, personal, and social development from infancy to adulthood. The program will prepare students wishing to continue further studies leading to a professional career. Students majoring in anthropology, psychology or sociology can also specialize in interdisciplinary Community Development.

Sociology (B.A.)

Sociology is the study of society, social interaction and the social making of humans. This includes culture, family, gender, crime, religion, politics, development, population, and urbanization. The program includes carrying out field research. Students are trained to work in international development agencies, government, non-governmental organizations or the private sector in social and community services or research and managerial positions.

Theatre (B.A.)

The curriculum includes the study of the literature, history, and theory of theatre with practical theatre experience in performance, directing, design, and technical theatre. The department produces a season of full plays, sponsors student-directed plays, and hosts visiting productions. Students have the opportunity to interact with internationally well-known guest directors, designers, and performers.

Business Administration (B.B.A.)

Students study the principles and practices of business and develop expertise in business management and practices. Major emphasis is placed on the role of business in Egypt and the Middle East. Students must select one of the following four concentration options: Marketing, Finance, Management of Information Systems or General Business.

Actuarial Science (B.S.)

This is a relatively new field that is highly demanded. Actuarial experts solve the problems of evaluating and measuring risk to improve financial decision-making through financial evaluation of uncertain future events. They are trained in mathematics, probability, statistics, economics, finance, business law, accounting, and marketing. Therefore, the Actuarial Science Program is a combination between the School of Science and Engineering and the School of Business and Economics. A wide variety of jobs are available in Egypt, in multi-national companies, and international institutions abroad. There is great demand for actuarial experts in insurance companies, actuarial consulting firms, banks and other financial institutions, as well as government agencies like the Egyptian Insurance Supervisory Authority (EISA). Students complete the first five certification examinations jointly offered by the Society of Actuaries and Casualty Actuarial Society, which is an important step toward actuarial certification and toward obtaining the actuarial license from the Egyptian Insurance Supervisory Authority.

Architectural Engineering (B.S.)

The goal of this program is to train architects who can lead the architectural profession in Egypt and the Middle-East into the digital age, applying the latest advances in Information and Communication Technology, while respecting the rich local and historical heritage. Graduates will become excellent candidates for the local and international architectural design firms, and work for construction contractors in aspects related to architecture and building integration.

Biology (B.S.)

The recent advances in biology have created important new industries in genetic engineering, biomedicine, biotechnology, and pharmacology. Students who wish to continue their studies are entering graduate schools (in classical and molecular biology) and professional schools (medicine, dentistry, veterinary medicine).

Chemistry (B.S)

Students are trained in both the theory and practice of the five major branches of chemistry: organic, biochemistry, inorganic, physical and analytical. In addition, students may specialize in Clinical Analysis or Industrial Chemistry. The broad chemistry training prepares students to work in various fields as research and development, teaching, quality control and industrial production.

Computer Engineering (B.S.) (See comparison below*)

Computer engineering involves the study of the theories and principles of computing, mathematics, science, and engineering and applies these theories and principles to solve technical problems through the design of computing hardware, software, networks, and processes. The combination of several technologies (such as television, telecommunications and networking infrastructures) creates many challenges and opportunities for computer engineers. Computer engineers design computer-based systems including systems for portable, desktop and client/server environments and communications devices, distributed computing environments and embedded systems.

Computer Science (B.S.) (See comparison below*)

This program involves mathematics, basic sciences and fundamentals of computer science, focusing on applying scientific knowledge in the analysis, design, and implementation of computer software and hardware systems. Students are prepared to cope with, and improve on, the latest technologies in the industry of software and hardware systems. Students are trained for a wide variety of careers such as: software engineering, systems design and programming, applications design and programming and information-systems design and analysis.

Construction Engineering (B.S.)

The construction is the largest industry in Egypt and most of the world. Construction engineering covers the basic civil engineering components such as structures, geotechnical, water resources, transportation, and environmental engineering. In addition, it covers methods for the modeling of construction projects, the evaluation of various construction strategies, and construction quality control. It deals with organizational planning, financial and human resources management, productivity measurement, accounting, information systems, strategy and policy formation, contracting, and construction law. Students have the choice of one of three concentration areas within construction engineering: Construction Materials and Structures, Construction Management and Technology, or Environmental Engineering.

Electronics Engineering (B.S.)

Electronics includes courses in physics, mathematics, computer science and general engineering. Concentration courses cover electromagnetics, circuits, electronics, digital design and communications. Courses in electric machinery, classical control, computer systems, and industrial internship are also required.

Mathematics (B.S.)

The B.S. degree in Mathematics will enable students to apply their knowledge in industry or teaching and prepares them for advanced study of mathematics and other fields. Students who major in Mathematics may be employed in such occupations as computer systems analysts, computer programmers, computer engineers, insurance, securities, real estate, business services, managers, executives and administrators. Students may choose to specialize in Statistics and Data Analysis.

Mechanical Engineering (B.S.)

Students are offered mechanical engineering electives concentrated in five areas: Design concentration uses modern computer methods to model, analyze and design mechanical components and systems. Power concentration provides the engineering background for the best use of energy resources; calculation of energy loads; design, selection and integration of energy systems and components. Industrial concentration enables the engineer to analyze, design, integrate, automate and manage industrial systems. Materials and Manufacturing focuses on ways of controlling material composition, treatment, and manufacturing in order to meet design requirements, and achieve desired performance. Mechatronics focuses on computer programming, automatic control, sensor technology, microprocessor, and manufacturing techniques.

Petroleum Engineering (B.S.)

The program involves the study of managing expanded operations in the petroleum, gas and energy related professions. Graduates will be able to compete for positions worldwide in one of the highest paying and highly-demanded engineering professions. Students may specialize in Energy Resources.

Physics (B.S.)

Physics teaches skills that can be used in many other professions, including electronics, computer and oil industries. These skills include: mathematical modeling, problem solving, designing experiments, interpretation of experimental data, research experience, laboratory techniques and communication skills. Graduates can find employment in a variety of areas including high technical level jobs, industry, research, and education.

*** Computer Engineering and Computer Science Comparison**

Computer Science is usually more concerned with the theories behind computation and programming; therefore you find courses in programming, algorithms, numerical analysis (how do you guarantee a number produced by a computer program is accurate), and the theory of computation (what can and cannot be computed). There is emphasis on providing a mathematical foundation for the computing disciplines.

Computer Engineering focuses on the practical aspects of development and use of computers, and therefore includes courses in digital logic design and processor interfacing which build on an engineering student's knowledge of electronics and circuits. Computer Engineering programs also often have strong ties to physics and devices programs where the details of actually manufacturing integrated circuits are studied. Courses in computer architecture (the basic construction and low-level programming of computers) and operating systems are likely to be found in either or both programs.

Computer engineers build hardware while computer scientists generally do not. However, computer scientists definitely know enough about hardware to analyze computer system operations and to interact with hardware engineers. Computer scientists know more about the theory of computation, programming

languages, and operating systems. The aim of science is to deepen a basic knowledge of a specific field, while the aim of engineering is to combine innovation and technology.

While computer engineers often work as programmers, most system level programs such as programming languages and operating systems are designed by computer scientists. However, computer engineers usually write the programs for computer-based systems. Computer engineers usually design the hardware as well as much of the software in computer-based systems. Computer engineers build computers such as PCs, workstations, and computer-based systems such as those found in cars, planes, appliances, electronics, phones, communication networks, and many other products.

German University in Cairo (GUC)

(www.guc.edu.eg; Phone: 2758-9990 / 8)



GUC is established in cooperation with the State Universities of Ulm and Stuttgart, under the patronage of the Ministry of Science, Research and Arts, State of Baden-Wuerttemberg, Germany, and supported by the German Academic Exchange Service (DAAD), the German Embassy in Cairo, the Arab/German Chamber of Industry and Commerce (AHK), the Federal Ministry of Education and Research, Germany, the State University of Tuebingen and the State University of Mannheim. Also, the faculties of Media Engineering and Technology and Information Engineering and Technology receive accreditation from the Accreditation Certification and Quality Assurance Institute (ACQUIN) – an agency operating under the German Accreditation Council. GUC degrees are recognized by both the Supreme Council of Egyptian Universities and the German partner universities.

Media Engineering and Technology

Media Engineering and Technology is an area in the field of Information Technology which involves all aspects of information and multimedia processing, and includes the same disciplines as Information Technology, such as mathematics, physics, electronics, computer science, and communications, with the specialization and addition of media technologies such as voice, audio and video, multimedia, media design, information retrieval and representation concepts. Graduates can find excellent opportunities in development and research in management of media and IT equipment companies, with media content providers, or any IT department dealing with information management. Students can pursue a career working with computer equipment in the multimedia, film, animation, television, music, radio, printing and publishing industries. The faculty offers the following two programs:

Computer Science and Engineering: students learn to design, analyze, and assess computer components and systems, and estimate the impacts of computer engineering solutions in multidisciplinary problems.

Digital Media Engineering and Technology: students acquire skills to develop digital technologies for audio-visual production including virtual reality, interactive television, broadband wireless networks, in response to the growing need for more creative projects by broadcasters, publishers and entertainment creators. Students graduate with an understanding of advanced media hardware and software systems and how these systems can be used by media professionals in dynamic and creative ways.

Information Engineering and Technology

Information Technology involves using computer, communications and automation applications to enable the innovation of products and services. Graduates can find employment in organizations in all areas of economy, business, industry, financial services, and research and development organizations. Specific employment opportunities include: information officer, marketing information assistant, research officer, network administrator, database administrator, Web developer, application developer, programmer analyst, computer maintenance engineer and many others. The Faculty of Information Engineering and Technology offers the following programs:

Networks: covers all aspects of telecommunication networks; from services/applications provided over such networks to design/architecture of networks and communication mechanisms for transferring data over these networks. Graduates will be able to investigate performance of various wireline and wireless networks, as well as various optimization mechanisms.

Communications: covers the whole series of communicating multimedia information. This includes representation/compression of multimedia signals (e.g., audio and video) in a format suitable for communication, followed by mechanisms/techniques for analog and digital transmission and reception of such data as physical signals (e.g., electromagnetic waves). Students also learn about design and implementation of hardware (e.g., antenna) necessary for such transmission/reception, and study the physical characteristics of various communication media such as wireless, twisted pairs, optical fibers.

Electronics: the program covers digital system design and verification, different aspects of analog design, and also VLSI circuits design. Graduates will be able to design and implement different electronics systems and generate an industrial level electronics product.

Engineering and Materials Science

Engineering and Materials Science covers a wide range of subject areas such as design, modeling and simulation of materials and processes, strength of materials, manufacturing processes, and materials testing. It also covers a wide variety of advanced manufacturing technologies as well as industrial automation, control systems and robotics. Most graduates select their careers in industry or with research organizations related to one or more of the main subject areas. GUC offers the following programs:

Materials Engineering: applies theoretical and practical knowledge of engineering materials, structure mechanics and technical design to develop, produce or modify specific needs. Students can control and change the properties for various industrial manufacturing applications, learn how to select the optimum material and predict its behavior under various environmental and service conditions, and how to alter this behavior through materials design, research, and development.

Design and Production Engineering: applies scientific methods to practical daily life problems using engineering skills. The program expands the knowledge of students in mechanics, design, manufacturing processes and materials. Graduates will be able to design and manufacture high quality products using the latest technology and methods.

Mechatronics Engineering: offers a balanced combination of mechanics, electronics and computer engineering skills in addition to special courses for integrating these disciplines of engineering to be able to develop and implement complex systems. Graduates will develop technical expertise in mechanical design, computer-aided design, robotics as well as manufacturing technology. They will have the knowledge, skills and tools to design and analyze the engineering systems for better operation, performance and control.

Civil Engineering: being the broadest of engineering fields, it focuses on the world's infrastructure. Among the important subdivisions of the field are construction, irrigation, transportation, soils and

foundation, hydraulic, in addition to coastal and ocean engineering. Graduates will be able to supervise and manage construction projects; construct buildings, bridges and tunnels; investigate geology and design dams and foundations; and build roads and design transport systems.

Architecture Engineering: applicants must pass an on-campus aptitude test as a pre-requisite for acceptance. This field is a mix of art, science and engineering used to design peoples' surroundings. Architects conceptualize and develop ideas into images of buildings and projects that can be constructed by Civil Engineers. They will be able to design new buildings, extensions or renovations to existing ones; advise on the restoration and conservation of old properties; prepare and present design proposals to clients, within financial budgets and time deadlines; solve problems that might occur during the construction phases; in addition to ensuring minimal environmental adverse effects of the project.

Pharmacy and Biotechnology

Biotechnology is the application of scientific and engineering principles to the biological processing of materials to provide goods and services. Pharmacy and Biotechnology are related to many fields including biology, especially microbiology, molecular biology and genetics, as well as chemistry, biochemistry, chemical and process engineering. Student may choose either a degree in Pharmacy and Biotechnology or a degree in Biotechnology only. The Pharmacy program offers the following specialties: Clinical Pharmacy, Pharmaceutical Technology, Drug Design and Monitoring, Pharmacology and Toxicology. The Biotechnology program specialties are: Medical Biotechnology, Environmental Biotechnology, Bio-processing, Marine Biotechnology, Pharmaceutics, Industrial Micro-organisms, Agricultural Biotechnology. Graduates are mostly employed in the pharmaceutical and fermentation industries. Additionally, there is a wide range of new industries being established as biotechnological techniques are being used to develop new processes and products.

Management Technology

Management Technology covers many areas of study such as international marketing, finance and insurance, international business and general management. Graduates will find employment in production management, product design, quality management, sales and marketing, and in such sectors as information technology, electronics, computing, food, retailing, merchant banking and consultancy. The faculty offers the following three programs:

General Management: offers a general managerial degree with the following specialties: Economics, Strategic Management, Finance, Marketing, Operations & Production, Management Control, Human Resources & Organizational Behavior, Information Systems, International Business, and Innovation & Technology Management. General Management graduates may be hired by all kinds of companies for positions in operational management.

Technology-Based Management: provides students with the general management knowledge in addition to the technical knowledge needed to understand and manage high-technology industries such as: Communication technology, information technology, multimedia technology, computer aided product design, modern manufacturing techniques, etc. Technology-based Management graduates can assume any position in management of an organization and are especially prepared to manage companies that compete in high-technology industries.

Business Informatics: offers a combination of the business and technology skills required by managers and team leaders in the modern world of computer-based business and administration. Students will be qualified in the main areas of system analysis and development, business process modeling, enterprise systems, e-business, information management and IT project management.

Applied Sciences and Arts

Applicants are required to submit a portfolio in addition to sitting for an on-campus aptitude test and interview. Graduates of the Design program will have practical and theoretical knowledge in the fields of product design, multimedia, information and communication design, and graphic design. Three

programs are offered: Graphic Design: students perform visual tasks by acquiring different kinds of drawing and designing techniques as well as conceptual skills; Media Design: focusing on video, animation and interactive tools. Product Design: new materials and manufacturing techniques are explored to modify or create products, concepts, ideas or inventions. Projects emphasize techniques, research methods, history, principles and theory of digital media, as well as practical emphasis and exposure to industry based projects. There is a need for modern and highly professional designers in multimedia companies, internet design companies, CI (Logos, Letterheads, Ads, appearance in public) for companies and institutions, marketing, video- music clips, TV and film industry, and new products for industry like clothes and furniture. Design graduates can also work as art directors and screen designers.

British University in Egypt (BUE)
(www.bue.edu.eg; Phone: 19283, 2689-0000)



BUE has a partnership with Loughborough University (UK). Students graduating from BUE will receive a degree certificate from BUE fully accredited by the Supreme Council of Egyptian Universities and another degree certificate from Loughborough University. Students will also be able to transfer to a variety of similar degree programs at Loughborough University at different stages of their academic coursework and with a substantial discount on the standard tuition fees.

Engineering

There are six engineering specialization areas at BUE:

Architectural Engineering, with one of the following focus areas: Architectural Design, Construction Technology and Management, Urban Design & Planning, and Environmental Design. Architectural Engineering leads to careers in architectural design, urban planning and project management.

Chemical Engineering, sub-specializing in one of the following branches: Pharmaceutical Engineering, Petrochemical Engineering, and Environmental Engineering.

Civil Engineering, with one of the following focus areas: Structural Engineering, Geotechnical Engineering, Public Works, Construction Management, and Water Resources. Civil Engineering leads to careers in structural engineering, environmental engineering, construction management, bridge design and construction, roadway and airport design and construction, irrigation works and structures.

Electrical and Communications Engineering, with one of the following focus areas: Control & Automation System Design, Wireless & Digital Communication Systems, Embedded Systems, RF MEMS Sensors for Wireless Systems, Electronic Instrumentation Systems, and Digital Signal Processing. Electrical Engineering leads to careers in electrical circuit design and manufacturing, communications technology and electronics.

Mechanical Engineering; with one of the following focus areas: Automotive and Aeronautics, Material Engineering, Production and Design, Power and Energy, and Mechatronics. Mechatronics

Engineering leads to careers in mechanical engineering and electronics and prepares you to be in charge of specific areas such as control rooms. Materials Engineering leads to careers in the field of advanced materials and technology.

Petroleum Engineering & Gas Technology leads to careers in major international companies, many of which are sponsoring this specialization at BUE (British Gas, British Petroleum, Schulmberger, Baker Hughes, Weatherford, Shell, Exxon Mobil, Halliburton, and others).

Informatics & Computer Science

Informatics is the study of the scientific, technical and human aspects of information technology using computers. Informatics includes knowledge from many disciplines - science, engineering, economics, management, sociology, law, and psychology. The purpose is to identify which problems can be solved by information technology, design and build information technology solutions, and find ways to increase their effectiveness. The following four specializations are offered: Computer Science, Information Systems, Software Engineering, and Computer Networks. Graduates have many potential careers to choose from, including the following: Systems Analyst/Designer (developing cost analyses, design considerations, implementation timelines, and feasibility studies of a computer system), Software Engineer (creating and maintaining software applications by applying technologies and practices from computer science, project management, engineering, application domains and other fields), Network Specialists (designing, setting up, maintaining, and securing a computer network, as well as troubleshooting and adding new users to the network), Computer Programmer/Web Developer (designing, development and maintenance of web applications and sites), or Database Administrator (planning, implementation, configuration, and administration of database management systems).

Business Administration, Economics & Political Science

The following degrees and specializations are offered:

Business Administration, specializing in Accounting & Finance, Human Resource Management, Management Information Systems, or Marketing.

Economics studies how the economy works and how government policies influence the performance of the global economy through studying such concepts as inflation, the function of money, budget deficits, interest rates, exchange rates, economic indicators, equity markets, the impact of international trade, and the effect government policies have on the economy and on employment.

A degree in Business Administration or Economics can lead to a career in finance and investment banking, public policy, sales & marketing, civil service (government departments, including foreign service), insurance and actuarial work, economic consulting work in both the private and public sectors, journalism, administration, management of natural resources, etc.

Political Science focuses on the study of government behavior, public policy, political economy, the development process, and the competing demands of groups, institutions and global movements. Students are prepared for challenging careers in a variety of academic and/or administrative areas, in the field of foreign services, at the Arab League headquarters in Cairo, or with a variety of UN agencies in Egypt or abroad. Students receive practical experience with a program specifically designed for those interested in working in the field of foreign services.

Nursing

This program is part of a joint collaboration nursing program with Queen Margaret University, Scotland. This allows students to have a part of their studies in Scotland if they desire, and to transfer to any European university at any stage of their education.

October University for Modern Sciences and Arts (MSA University)

(www.msa.eun.eg; Phone: 16672, 3837-1517 / 8)



Students at MSA may choose a minor. Upon successful completion of the requirements of a minor, a student may choose another one. They will both appear on their transcript upon graduation. MSA also offers Student Exchange programs. Students may pursue postgraduate studies in the UK with the same requirements of Greenwich and Middlesex University graduates.

MSA faculties that are validated by the University of Greenwich

Pharmacy

The Faculty of Pharmacy aims at fulfilling a growing demand for graduates in the scientific and technological fields. Graduates are immediately registered in the Egyptian Syndicate of Pharmacy, and can start their careers after relevant professional experience. Graduates may be employed in multinational pharmaceutical companies, the new biotechnology companies, and drug discovery research centers. They will also have a good basis for further post-graduate training in a health professional area. Areas of potential recruitment also include, Clinical Pharmacy, Hospital Pharmacy, Drug Industry or Pharmaceutical Research.

Engineering

The Faculty of Engineering has the following departments:

Architectural Systems Engineering: architectural design, structural and building systems, as well as the development and creative application of information technology relevant to all fields and schools of architecture. Students specialize in one of the following two areas: Architecture & Interior Design and Architecture & Urban Design.

Industrial Systems Engineering: design, improvement and installation of integrated systems of materials, equipment, manpower and energy, as well as information technology. Students specialize in one of the following two areas: Engineering Manufacturing (Design Systems and Processing Systems) or Engineering Management (Operations Systems and Logistic Systems).

Electrical Communication & Electronics Systems Engineering: theory, design, implementation and applications of various communication and electronic devices and systems. Students specialize in one of the following two areas: Engineering Communication (Wireless Communication and Digital Systems) or Engineering Electronics (Industrial Electronics and Control Systems).

Computer Systems Engineering: the theory, design, implementation and applications of various devices and systems based related to computer software and hardware. Students can specialize in one of the following two areas: Intelligent Systems (Artificial Intelligence and Neural Networks) or Multimedia & Internet Computing (Web Design & Development and Image Processing).

Biotechnology

Biotechnology is the application of molecular and cellular processes to solve problems, conduct research, and create goods and services. There is a growing national and global demand for this field as biotechnology is included in almost every aspect of our daily lives: health and medicine, food and agriculture, the environment, business, and industry. The increase of new technologies is expanding employment opportunities in research, production, development and manufacturing. Graduates will have the scientific background and laboratory experience necessary for employment in the various fields of biotechnology including forensic science, medical, pharmaceutical, agricultural, environmental and industrial biotechnology. Additionally, there are opportunities in biotechnology policy development, regulation and monitoring, patent protection, public health and research.

MSA faculties that are validated by Middlesex University

Management

The Faculty of Management Sciences consists of four departments:

Accounting: for students who are interested in pursuing a career in finance and accounting, teaching them to think as accountants, auditors and financial analysts.

Economics: studies the understanding, analyzing, forecasting, and influencing economic development and policy-making at either a global level or at the level of individual markets and firms.

Management and Systems: develops the necessary knowledge and skills for students to be future analysts, designers, and programmers of systems.

Marketing and International Business: develops the ability to interpret, analyze, apply and implement knowledge to solve marketing problems across different types of firms, organizations, and industries, and succeed in a marketing profession such as designing, organizing, and evaluating marketing research assignments, defining marketing and management decision-making processes.

Mass Communications

The Faculty of Mass Communication offers three majors: Journalism, Advertising, and Public Relations, and Broadcasting. Advertising and Public Relations are offered as a minor to students of other faculties. Students are trained to develop skills in: Studio Production (including digital camera operations, editing, scriptwriting, performance and electronic news production), Field Production (electronic field production and electronic news production), and Radio (radio production, reporting, editing, scriptwriting, and recording). Graduates can find career options in competitive fields, including advertising, book editing/publishing, freelance writing. Career opportunities are available in the media, film industry, public education, arts and leisure management, journalism and areas of interactive media technology.

Computer Science

The Faculty of Computer Science provides a learning opportunity for students who want to specialize in a wide variety of areas of the computer science and information technology fields. Graduates will acquire skills in designing, implementing and maintaining computer and communication systems, using their hardware, software and system design skills. Careers in emerging technology industries include information technology and telecommunication industries.

Other MSA faculties

Dentistry

Dental students are prepared to be expert clinicians with adequate biomedical knowledge, and students are given a certificate at the end of their study from the Supreme Council of Universities equivalent to

BDS degrees offered by Governmental Universities. This allows Egyptian graduates to register with the Egyptian Dental Syndicate and to receive the license to practice dentistry from the Ministry of Health. The MSA BDS degree is also internationally recognized by both Egyptian and foreign universities allowing graduates to register for postgraduate education or to practice in other countries upon the fulfillment of other requirements that may be set by each individual country.

Languages

Courses offer a deep understanding of the cultural, artistic and literary directions that have shaped the intellectual world of today, while creating a strong awareness of the Arabic heritage. In the last year of their studies, students choose one of three sequences that are strongly in demand today. Translation offers extensive training in written, consecutive and simultaneous translation. Graduates will be fully qualified and capable of handling the transfer of knowledge and information from one language to another and producing high quality translations in various forms through their mastery of English and Arabic, two of the most widely used languages in the world. Basic Executive Skills specialization aims at offering extensive training in computer and managerial skills. Graduates will have a good grasp of modern theories of management and modern information systems. This will enable them to play an important role in the business sector as qualified and highly skilled candidates with their strong bilingual knowledge. Teaching English as a Foreign Language is for students who want to pursue a teaching career. Besides teaching methodology, students are also trained in the latest methods of testing and evaluation.

Arts and Design

The Faculty of Arts and Design is new at MSA, offering a new concept in Arts and Design education based on job market demand for creativity in various fields such as product and packaging designs in a wide range of industries. Of special importance to the Egyptian economy is the role of these graduates in fashion, clothing, furniture, and consumer goods industries which are expanding for local, regional and international markets. The following 6 majors are offered:

Graphics and Media Arts; with career opportunities including Advertising Editor, Digital Color and Imaging Specialist, Graphic Designer, Publishing Design and Production, Website Designer, Corporate Communications Specialist, Graphic Artist, Interactive Designer, and Publication Development.

Fashion Design; with career opportunities including Apparel Buyer, Fashion Illustrator, Patternmaker, Clothing Production Assistant, Merchandiser, Designer, Fashion Stylist, Retail Store Manager, and Fashion Trainer.

Cinema and Theater Set and Production Design; which includes careers as Lighting and Set Manager, Scene Designer, Stage Designer, Special Effects Director, Screen Writing, and Stage Manager.

Interior Design; with career opportunities that include Interior Designer, Interior Decorator, Set Designer, Space Planner, and Retail Store Designer.

Product Design; with careers opportunities in industrial design, model making, ergonomics (the study of how a workplace and the equipment used there can best be designed for comfort, efficiency, safety, and productivity), product design management, product design innovation, product design manufacturing, and product design technology.

Landscaping; with career opportunities that include greenhouse manager, landscape designer, open area space designer, and in planning or design firms.

Misr International University (MIU)
(www.miuegypt.edu.eg; Phone: 19648, 4477-1560)



Programs at MIU are community service-oriented, allowing students a practical application of their studies. MIU has Study Abroad programs as well as Student Exchange programs. Students have the opportunity to do a Double Degree or Joint Degree with partner universities, or attend joint workshops. Students may also choose to do a minor.

Al Alsun (Languages & Translation)

A variety of courses are offered in different fields in the English language and linguistics, literature, and translation. The literature courses range from the medieval literature to contemporary writing. The linguistics courses enhance students' language skills and understanding of the origin and features of the English language while the translation courses strengthen the students' English and Arabic competence. Students may also choose a second language to study from among a number of languages offered by the department. Students are prepared to engage in multicultural communication and develop a professional approach towards translating English and Arabic texts.

Business Administration

The department offers a wide range of courses and advanced training programs in collaboration with international universities. Students are provided with a variety of courses in business and other specialized areas in the field, and a background of job skills which will allow them to succeed in their careers. Students can major in one of the following fields: Economics, Management, Accounting, Marketing, or Finance. Minor is optional.

Computer Science

Students can specialize in one of the following majors: Computer Science, Software Engineering and Information Systems. Computer Science minor is available. These programs prepare the students to work as system developers, software engineers, information systems specialists or IT specialists. The theoretical and practical aspects within the programs are carried out in collaboration with reputable international institutions in the same field.

Dentistry

Students are exposed to clinical, medical and dental science, and dental and clinical practice based on a comprehensive care approach. A wide range of patient services are provided, free of charge, offering

clinical educational opportunities for students. The Faculty of Oral and Dental Medicine consists of six main departments: Oral Histo-Pathology (*microscopic study of tissue*), Restorative Dentistry, Removable Prothodontics (*dental implants*), Oral Surgery & Anesthesia, Oral Medicine, and Pediatric Dentistry

Mass Communication

Students may specialize in one of three majors: Electronic and Print Journalism, Radio and Television, and Integrated Marketing Communications. The following minors are also available: Multimedia, Advertising, Public Relations, Radio and Television, Journalism, and Print Media Design & Layout. The students may also take a minor from any other faculty in the university. Students are trained to effectively interact and work cross culturally, while contributing to the welfare and service of society whether locally or internationally, by promoting social and development ideas and enhancing public awareness in different issues such as environment and public health.

Pharmacy

Students receive a strong background in the pharmaceutical sciences and the necessary clinical skills, which concludes in the final year with a series of rotations in various pharmaceutical and clinical settings throughout Cairo. Graduates would be able to serve in community and hospital pharmacy units, pharmaceutical industry, general pharmaceutical management, universities and research institutions.

Engineering

Degree programs are offered in the fields of Architecture and Electronics and Communications. The Faculty engages students with national and international professionals in research and development activities, such as hosting national and international workshops and conferences. The community service objectives are adapted to serve the neighboring communities as well as the entire Egyptian society through engineering consultations, conducting workshops and educational programs, as well as participating in the decision making and the implementation of the national developmental plans.

Partner Universities (Study Abroad, Student Exchange and/or Joint Degree programs)

IMC University of Applied Sciences, Krems (Austria)
University of Prince Edward Island (Canada)
Lappeenranta University of Technology (Finland)
Bremen University of Applied Science (Germany)
Heilbronn University (Germany)
Technical University of Dresden (Germany)
University of Applied Science (Liechtenstein)
Mid Sweden University (Sweden)
University of Nottingham (UK)
State University of New York (SUNY) Cobleskill (USA)
University of Georgia (USA)
University of Mississippi (USA)
Winona State University (USA)
James Madison University (USA)
University of Avignon (France)
Norwegian University of Science & Technology (Norway)

Section VIII **International Universities in the Middle East**

New York University Abu Dhabi (www.nyuad.nyu.edu/admissions)

NYU Abu Dhabi offers a 4-year undergraduate program in liberal arts and sciences, leading to a bachelor's degree from one of America's most renowned research universities. NYU Abu Dhabi and NYU New York form the backbone of a Global Network University. NYU has academic centers in many countries around the world including Argentina, China, Czech Republic, England, France, Germany, Ghana, Italy and Spain. Furthermore, it has various locations for school-specific, summer, and intersession programs as well as exchange partner universities world-wide.

The NYU Abu Dhabi curriculum includes 19 majors, 3 multidisciplinary concentrations, and 4 pre-professional tracks, as indicated below, in addition to several core curriculum and elective areas. Although you may begin taking courses in your major in your first year, you have until the end of the second year to declare your major which allows you to explore the extent of the liberal arts and sciences curriculum and the wide variety of disciplines available before making that decision.

Major Areas:

Biochemistry
Biology
Brain and Cognitive Science
Chemistry
Computer Science
Economics
Engineering
Foundations of Science
Film and New Media
History
Literature & Creative Writing
Mathematics
Philosophy
Physics
Political Science

Psychology
Social Research & Public Policy
Theater
Visual Arts

Multidisciplinary Concentrations:

The Ancient World
The Arab Crossroads
Urbanization

Pre-professional Tracks:

Business and Organizational Studies
Education
Law
Leadership and Social Entrepreneurship

Depending on the area of study, students will take between 8 and 18 courses towards their major. Another feature of this liberal arts and sciences university is that courses are structured in a flexible way so that they may be 14, 7 or 3 weeks in duration. Fourteen-week courses allow for extended contact with professors. Seven-week courses are fast paced and intense. The three-week intensive course is a very profound experience involving team projects, clinical research, writer's workshop, film shoot, archeological dig, seminar in another country, or other forms of community-based learning.

Qatar Foundation Universities

(www.qf.org.qa)

Qatar Foundation international partner universities are located Education City, bringing a unique higher education experience within the Middle East. Each of the six international campuses offers degree programs in selected disciplines that are distinguished in each respective university.

Virginia Commonwealth University In Qatar (VCUQ)

VCUQ was the first university to come to Education City in 1998. It offers undergraduate degree programs in **Graphic, Interior and Fashion Design, Painting and Printmaking**. Virginia Commonwealth University is located in Richmond, Virginia, and its School of Arts is one of the largest and most highly ranked design schools in the United States.

Weill Cornell Medical College in Qatar (WCMC-Q)

WCMC-Q offers a six-year integrated program of study; a two-year **Pre-Medical Program**, followed by a four-year **Medical Program** leading to an MD degree. Weill Cornell Medical College is considered one of the top-ranked clinical and biomedical research centers in the United States.

Texas A & M University at Qatar (TAMUQ)

TAMUQ offers undergraduate programs in **Electrical, Mechanical, Chemical and Petroleum Engineering**. Texas A & M's engineering programs are highly rated and its graduates are sought after to provide leadership and innovative solutions to challenges in their field.

Carnegie Mellon University in Qatar (CMQ)

CMQ offers undergraduate degree programs in **Computer Science, Business Administration and Information Systems**. Carnegie Mellon University was founded in Pittsburg, Pennsylvania, in 1900 by industrialist and philanthropist Andrew Carnegie. A major grant from benefactor Richard K. Mellon in 1965 helped to establish a Computer Science Department that became the origin of Carnegie Mellon's worldwide reputation in this field.

Georgetown University School of Foreign Service in Qatar (SFS-Qatar)

SFS-Qatar is a branch of the Edmund A. Walsh School of Foreign Service at Georgetown University in Washington, DC. Founded in 1789, Georgetown University was the first university in the US to develop a liberal arts undergraduate program focused on international affairs and it remains one of the most renowned worldwide. SFS-Qatar currently offers a four-year liberal arts curriculum, with a major in **International Politics, Culture and Politics, and International Economics**, leading to a Bachelor of Science in **Foreign Service** degree.

Northwestern University in Qatar (NU-Q)

NU-Q offers degree programs in **Journalism and Communication**. Northwestern University's home campuses are at Evanston, Illinois, and in the city of Chicago. It is a private institution, founded in 1851. The Medill School at Northwestern is a top-ranked program offering study in Journalism, Media and Integrated Marketing Communication. Northwestern's School of Communication, also a top-ranked program, offers a program in Media Industries and Technologies at NU-Qatar.

Section IX SAT Reasoning & Subject Tests

SAT I or **SAT Reasoning Test** (formerly **Scholastic Aptitude Test** and **Scholastic Assessment Test**), is a standardized test needed for college admissions in Egypt and many colleges and universities around the world. The test contains 3 hours and 45 minutes of actual timed sections. SAT consists of three major sections: Critical Reading, Mathematics, and Writing. Each section receives a score on the scale of 200–800. Total scores are calculated by adding up scores of the three sections. Possible scores range from 600 to 2400, combining test results from the three 800-point sections.

SAT II is the name given for **SAT Subject Tests** (also known as **Achievement Tests**). These are standardized tests given on individual subjects required for some majors at universities- such as Engineering, Medicine, Pharmacy... (see admissions guidelines for Egyptian universities)- or taken to improve a student's chances for admission. SAT subject tests are not required at the majority of colleges and universities in the United States. However, many top colleges, such the Ivy League and the University of California campuses, require two or more SAT subject tests. Many other universities recommend the SAT subject tests, and strong scores will definitely strengthen an application. SAT Subject Tests are available in the following subjects:

- ENGLISH – Literature
- SCIENCES – Biology, Chemistry, and Physics
- MATH – Level 1 and Level 2
- HISTORY – World History and US History
- LANGUAGES – French, Spanish, German, Modern Hebrew, Italian, Latin, Chinese, Japanese, and Korean

SAT tests are administered six times per year, usually on the first Saturday of the month. Tentative test dates for 2011-12 are October 1, November 5, December 3, January 28, May 5, and June 2. Registration deadlines are at least one month before the test date. For more information on SAT, please visit www.collegeboard.com.

PSAT or **Preliminary SAT** is a practice test for the SAT administered every October to grade 10 and possibly grade 11 students. The test is also composed of three sections: Math, Critical Reading, and Writing Skills, and takes two hours and ten minutes to complete. Each of the three sections is scored on a scale of 20 to 80 points, which add up to a maximum combined score of 240 points. This corresponds to the SAT, which is graded on a scale of 200 to 800.

4 SAT Myths

MYTH #1: *The SAT is a test of intelligence and my scores are a good indication of how I will do in college.*

FACT: Your SAT scores only reflect how good you are at taking the SAT (as well as how much time you spent preparing). However, college admissions officers still place great weight on this test. So it's important to do well.

MYTH #2: *The SAT tests complex math concepts.*

FACT: SAT math can seem challenging because of the way the concepts are tested, not because of the concepts themselves. The math sections include concepts you learned in the seventh or eighth grade, like arithmetic, basic geometry, basic algebra and algebra II. You won't see any calculus or trigonometry on the SAT.

MYTH #3: You can't really improve your Critical Reading score.

FACT: You can improve your Critical Reading score by expanding your vocabulary. Reading comprehension and sentence completions all rely on your understanding of the words in the questions and answer choices. So read books, newspapers and anything else you can get your hands on.

MYTH #4: It's better to leave a question blank than to guess.

FACT: Not necessarily. You receive one point for every correct answer, zero points for every question you leave unanswered and minus one-quarter of a point for every incorrect answer. If you can eliminate even one of the answer choices, guess! This approach will gain you more points over the whole test than you'll get by playing it safe and leaving the questions blank.

What Do SAT Scores Mean in College Admissions Data?

Most the SAT data on university websites and college handbooks show SAT scores for the 25th and 75th percentile of students. Look at the example below of SAT scores for the 25th and 75th percentiles:

- SAT Critical Reading: 500 / 610
- SAT Math: 520 / 620
- SAT Writing: 490 / 600

The lower number is for the 25th percentile of students who enrolled in (not just applied to) the college. For the above example, 25% of enrolled students received a math score of 520 or lower. The upper number is for the 75th percentile of students who enrolled in the college. In this example, 75% of enrolled students got a math score of 620 or lower (looked at another way, 25% of students got above a 620). This means if you have a SAT math score of 640, you would be in the top 25% of applicants. If you have a math score of 500, you are in the bottom 25% of applicants for that measure.

Are My SAT Scores Good Enough?

SAT scores are just one of many criteria used by colleges to make admissions decisions, although they are still importance. Universities usually make their SAT data public, and they know that their reputations depend upon high numbers.

Of course, SAT scores are just one part of the application. Perfect scores don't guarantee admission if other parts of your application are weak. Admissions officers will also want to see a strong academic record, a good essay, extracurricular activities and good letters of recommendation.

The list below shows the middle range of SAT scores for some of the top US universities. Attached is a more comprehensive comparison. The middle 50% of admitted students fell within these numbers. Keep in mind that 25% of students who were admitted scored below the lower numbers listed here.

Auburn (Main Campus)

- Critical Reading: 520 - 620
- Mathematics: 550 - 650
- Writing: 520 - 620

Duke

- Critical Reading: 690 - 770
- Mathematics: 690 - 790
- Writing: 680 - 780

Carleton

- Critical Reading: 670 - 750
- Mathematics: 660 - 740
- Writing: 640 - 740

Harvard

- Critical Reading: 690 - 800
- Mathematics: 700 - 790
- Writing: 690 - 780

Massachusetts Institute of Technology

- Critical Reading: 660 - 760
- Mathematics: 720 - 800
- Writing: 660 - 750

Middlebury

- Critical Reading: 630 - 740
- Mathematics: 640 - 740
- Writing: 630 - 740

Stanford

- Critical Reading: 660 - 760
- Mathematics: 680 - 780
- Writing: 670 - 770

University of California LA (UCLA)

- Critical Reading: 570 - 680
- Mathematics: 610 - 720
- Writing: 580 - 690

Great Colleges for Students with Low SAT Scores

If you got low SAT scores, realize that many colleges do not require entrance exams as part of their admissions applications. More and more schools are recognizing that some strong students just don't do well on standardized tests. Some technical schools, music schools and art schools don't see the SAT is a good measure of the types of skills they require. Others recognize that the SAT limits the number of applicants and gives unfair advantage to students from schools or families that can't afford test preparation courses.

Below is a sample of highly selective four-year colleges out of more than 815 that do not require the SAT and have test-optional admissions policies. However, admissions policies change frequently, so check with each college for the latest testing guidelines. Also, realize that some of them are test-optional only for students who meet certain GPA or class rank requirements. Be sure to read their policies carefully. Some state universities require scores from out-of-state applicants. Others don't require scores for admissions, but they do use the scores for awarding academic scholarships.

Bowdoin College

- SAT Reading (Middle 50%): 650 / 740
- SAT Math (Middle 50%): 650 / 730

George Mason University

- SAT Reading (Middle 50%): 500 / 600
- SAT Math (Middle 50%): 520 / 610

Sarah Lawrence College

The application process does not consider standardized test scores at all.

Smith College

- SAT Reading (Middle 50%): 590 / 710
- SAT Math (Middle 50%): 560 / 670

Texas A&M at College Station

SAT scores not required from students who have a high enough GPA or class rank.

- SAT Reading (Middle 50%): 520 / 630
- SAT Math (Middle 50%): 560 / 670

University of Iowa at Iowa City

- SAT Reading (Middle 50%): 520 / 650
- SAT Math (Middle 50%): 550 / 670

University of Texas at Austin

SAT scores not required from students who have a high enough GPA or class rank.

- SAT Reading (Middle 50%): 530 / 660
- SAT Math (Middle 50%): 560 / 690

Section X English Placement Exams

TOEFL Exam

The Test of English as a Foreign Language (TOEFL) is very important for applying to universities and colleges outside Egypt. It is also a requirement for admission to the American University in Cairo (AUC) if SAT scores are below 450 on each of the English components (Verbal and Writing). TOEFL is the most accepted English-language test in the world. More than 7,300 universities, agencies, and other institutions in more than 130 countries accept the TOEFL test as part of their admissions criteria. Most U.S. universities require that international applicants take the TOEFL. Generally a score of 61 to 80 (out of 120) on the Internet-based TOEFL (iBT), 173 to 250 on the computer-based version, or 500 to 550 on the paper-based version is required for undergraduate admission.

TOEFL iBT is a four-hour test to assess reading, listening, speaking, and writing skills. The test is administered 30-40 times a year depending on location. Test centers are situated at various locations across Egypt. Make sure you register early as test centers can fill quickly. The TOEFL exam also is administered in an Internet-based format at AMIDEAST, Cairo (23 Mossadak St., Dokki, Tel. 19263). Tests are held approximately every two weeks, depending on demand, and are scheduled by appointment. For more information on the TOEFL test and registration please visit: www.ets.org/toefl or www.toeflgoanywhere.org.

AUC requests that official TOEFL scores be sent directly from Educational Testing (code number 0903). TOEFL scores are valid for two years so applicants for the fall semester can start to take the TOEFL in their junior year. Official scores must be received by the admissions office no later than March 2.

TOEFL Cut-off Scores for AUC Undergraduate Admission

Internet- Based Test (iBT) TOEFL Score	Internet- Based Test (iBT) Writing	Paper & Pencil Test (PPT) TOEFL Score	Computer-Based Test (CBT) TOEFL Score	TWE (Test of Written English) Score (Both PPT & CBT)	English Placement
103 or above	25 or above	612 or above	255 or above	5.5 or above	RHET 102 / RHET 201 Exemption Exam
83 – 102	22 – 24	557 or above	220 - 254	4.5 or above	RHET 101 / 102 Essay Exam
76 – 82	20 – 21	540 - 556	205 - 219	4.0 or above	ENGL 100
62 – 75	17 – 19	503 - 539	177 - 204	3.5 or above	AUC Eng. Lang. Institute / Upper
48 - 61	14 – 16	460 - 502	140 - 176	3.0 or above	AUC Eng. Lang. Institute / Intermediate
Below 48	Below 14	Below 460	Below 140	Below 3.0	Not eligible for admission

TOEFL placement is based on achieving the cut-offs of the TWO scores: total score and iBT writing. If one score is lower, then placement is based on the lower score.

IELTS Exam

The **IELTS** English test, **International English Language Testing System**, is an international standardized test of English language proficiency. It is jointly managed by University of Cambridge ESOL Examinations, the British Council and IDP Education Pty Ltd. It is accepted by universities and employers in Egypt and around the world, including most US universities. More than 2000 US institutions accept IELTS as an alternative to TOEFL. There are two versions of the IELTS: the **Academic Version** (used for university admissions and professionals who want to study or practice in an English-speaking country) and the **General Training Version** (used for non-academic training, work experience, or immigration purposes). For further information, visit: <http://www.britishcouncil.org/egypt-exams-english-exams-ielts.htm>.

As the TOEFL, IELTS tests the ability to listen, read, write and speak in English. Band scores are used for each language sub-skill (Listening, Reading, Writing, and Speaking). The Band Scale ranges from 0 (Did not attempt the test) to 9 (Expert User). All candidates must complete four Modules - Listening, Reading, Writing and Speaking - to obtain a band score, which is shown on an IELTS Test Report Form (TRF).

The total test duration is approximately 2 hours and 45 minutes for Listening, Reading and Writing modules. The first three modules are completed in one day, with no break in between. The Speaking Module may be taken in the period seven days before or after the other Modules. An IELTS result or Test Report Form is valid for two years. Therefore, students may start to take it starting grade 11 if they wish. There are up to 48 test dates available per year. The IELTS minimum scores required by academic institutions vary. AUC, for example, requires a minimum score of 6.5 for regular admission and a score below 5 is not eligible for admission. Below are examples of accepted IELTS scores at universities in the US and UK.

United States

The highest IELTS Band required by a university is 8.5 by the Graduate School of Journalism at Columbia University; the only US institution to require this band. While Ohio State University's Moritz College of Law is listed as requiring an 8.5 on the IELTS website, the school lists an 8.0. For Massachusetts Institute of Technology, for example, the minimum score required is 7. At Saint Louis University, the minimum score is 6.

United Kingdom

The highest IELTS Band required is 8 by the Master of Science degree in Marketing at the University of Warwick. Most IELTS requirements by universities are between 5.5 and 7.0.

University	Minimum IELTS score
Oxford University	7.0
University of Edinburgh	7.0 (All programs in Business, Management, Finance, Law, English Literature & Celtic/Scottish Studies)
Cambridge University	7.0
Glasgow University	6.5 (General)/ 7.0 (Faculty of Arts & Humanities)
University College London	6.5/7.0/7.5 (depends on individual faculty/department requirement)
Imperial College London	6.5 (7.0 for the Life Sciences Department & the Imperial Business School)
Exeter University	6.5
Liverpool University	6.0
Birmingham University	6.0
Essex University	5.5

Section XI
Ministry of Higher Education
Guidelines for University Admissions
For American High School Diploma
(Updated Aug. 2010 – any changes will be announced)

A. General Guidelines for international certificates:

1. Subjects that will not be considered among the 8 compulsory or optional subjects for university admissions are: General Science, Arabic, Religion, Physical Education, and Military Science.
2. Regarding the *Thanaweya Amma* (grades 11 & 12) Arabic and Religion Exam, the Ministry of Higher Education has decided the following:
 - For students in grades 10-12 in international schools within Egypt starting the academic year 2007/08 until 2009/10 (i.e. students applying to universities for the academic year 2010/11), those who fail or do not take the Arabic & Religion ministry exams will be allowed to take them at the university.
 - For students who will be in grade 12 starting 2010/11 (i.e. students will apply to university starting the academic year 2011/12), those who fail or do not take the Arabic, Religion, and Civics ministry exams will be considered as failed and must pass the subject(s) which they failed or missed and they can apply to university the following academic year with the same transcript but only after they pass these exams (maximum allowed time is 2 years).
 - *Starting this academic year 2009/10, any student who fails in both Arabic & Religion ministry exams in grade 11 (مرحلة أولى) must repeat grade 11. If, however, a student fails only one of the subjects, he/she can repeat it again in grade 12 along with the grade 12 ministry exams.*
 - First Language Arabic will not be considered one of the 8 subjects needed for university admission although no Egyptian students will be exempted from taking the ministry exams starting the university academic year 2011/12.
3. Students must have 3 years of schooling after obtaining the *Adadeya* (grade 9) certificate or its equivalent. Those who do not fulfill this requirement of having 3 years of schooling after grade 9 can be accepted to university after completing this requirement and according to admissions guidelines of the academic year in which they are applying.
4. Holders of international certificates are accepted to universities in Egypt according to the decision of the Supreme Council for Universities such that the maximum number accepted shall not exceed 50% of the total number of applicants to each faculty. This decision has been implemented since the 2006/07 academic year.
5. Students must submit official transcripts when applying to universities. Report cards will not be accepted.

6. Students who do not fulfill the requirement of having 3 years of schooling after obtaining the *Adadeya* (grade 9) certificate or its equivalent will not be accepted to university during the same academic year and must apply for admission in the following year.
7. English Language and English Literature can both be accepted from the 8 qualifying subjects for university admission provided that the rest of the qualifying subjects are met according to each faculty/major.

B. Guidelines for accepting American High School Diploma:

1. Students should have passed 8 subjects from those required for each faculty (details follow) after completing grade 12, such that each subject is at least one credit, and a maximum of 3 subjects may be taken from grade 11. (*Some private universities, such as BUE & GUC, may have exceptions to this rule*).
2. The Supreme Council for Universities has decided that the minimum accepted SAT I score should be at least 60% of the total score (i.e. 1440 out of 2400). (*See section C-4 for private universities*).
3. The Supreme Council for Universities has also stipulated that the minimum accepted SAT II score should be a total of 1100 in 2 subjects out of 1600 as follows. (*See section C-4 for private universities*).
 - For the faculties of Medicine, Pharmacy, Dentistry and Physiotherapy the 2 subjects required are Biology and one of the following: Physics, Chemistry, and Mathematics.
 - For the faculties of Engineering, Information Technology, Computer, and Fine Arts (Architecture section) the 2 subjects required are Mathematics and one of the following: Physics, Chemistry and Biology.

C. In addition to the above, the Supreme Council for Universities has decided the following:

1. American Diploma students shall be accepted only after completing a minimum of 3 years in the American system of education.
2. Starting the university academic year 2006/07 the number of international certificate holders (*including American Diploma, International Baccalaureate, French, German and Canadian Diplomas*) accepted to any faculty shall not exceed 50% of the total applicants to that faculty.
3. All other guidelines and conditions for acceptance to universities in Egypt previously set by the Supreme Council for Universities shall be implemented for American Diploma students. (*See section D for grade calculation guidelines*).
4. The Supreme Council for Private Universities and Academies has accepted the following in calculating the American Diploma, starting the university academic year 2007/08:
 - On the SAT I, students should achieve at least 1200 out of 2400.
 - On the SAT II, students should achieve at least 900 out of 1600.

- All other conditions shall apply and the above decision shall be implemented from 2007-08 until 2011-12, provided that students spent 3 years in American high school after the *Adadeya* certificate or its equivalent, starting the academic year 2008/09.

D. Guidelines for grade calculation and evaluation of American High School transcripts:

The Supreme Council for Universities has decided that starting the academic year 2006/07, transcripts shall be evaluated based upon the following:

1. 40% from the average of the 8 subjects required (*usually 5 from grade 12 and 3 from grade 11 as previously mentioned*).
2. 60% from the total SAT I score as follows:
 - The best SAT I scores shall be chosen so that the maximum score is 1440 out of 2400. (*See section C-4 for exceptions*)
 - Those who achieve 1490 or above will be given an additional 15%.
3. Students who took the SAT II exam will be given an additional 15% to their score provided they achieve a minimum of 1100 (maximum is $800 \times 2 = 1600$). (*See section C-4 for exceptions*)
4. The total score will be calculated as a percentage of the above.

Example (*hypothetical figures*)

Year 2010-2011, GR 11	Grade	Year 2011-2012, GR 12	Grade
English Language/Literature	82	English Language/Literature	91
Math (Pre-Calculus)	89	Advanced Math (Calculus)	77
Modern History	91	Global Studies	95
Chemistry	86	Physics	88
French/German	92	Advanced Biology	87
Arabic/Religion 11	C	Arabic/Religion 12	B
Introduction to Engineering	95	Theater Arts	90

For a student applying to the Faculty of Engineering or Medicine, for example, take the average of the grades in bold (**88 %**)

Total SAT I score: 1500, total SAT II score 1150

This student's score would be calculated as follows:

$$0.88 (0.4) + \frac{1500}{2400} (0.6 + 0.15) + \frac{1150}{1600} (0.15) =$$

$$0.352 + 0.469 + 0.108 = 92.9 \%$$

As an example of accepted grades at Egyptian private universities, below are the minimum grades accepted for admission at BUE, subject to change according to ministry regulations:

Engineering	75%
Informatics & Computer Science and Business	70%
Economics and Political Science	65%

Ministry of Higher Education
Courses Considered for University Admissions 2010/2011

All universities and colleges in Egypt, with the exception of the American University in Cairo (AUC), follow the guidelines of the Ministry of Higher Education. Most universities consider a minimum of 5 subjects from grade 12 and a maximum of 3 subjects from grade 11. Some private universities such as German University in Cairo (GUC) and British University in Egypt (BUE), however, may consider a minimum of 4 subjects from grade 12, a maximum of 3 subjects from grade 11, and maximum of 2 subjects from grade 10 if necessary. Below are the required subjects for each faculty that should be included in the 8 subjects:

Faculty	Compulsory	Optional	Special Requirements
Language (Alson)* Literature	English (Language or Literature or Composition) French or German SAT I	Global Studies History Social Studies Geography Economics Mathematics Statistics or Accounting Consumer Math or Commercial Science Physics Chemistry Biology Philosophy or Logic Latin or Greek Psychology Sociology	* Must obtain at least 70% in each of the 3 languages (Arabic + 2 other foreign languages).
Law	English (Language or Literature or Composition) SAT I	Global Studies History Social Studies Geography Economics Mathematics Statistics or Accounting Physics Chemistry Biology Philosophy or Logic Psychology Sociology French Business Studies or Commercial Science	Passing in French (either at school or at the Faculty) is required for graduation. Studying French at school would be an advantage.
Economics & Political Science	English (Language or Literature or Composition) SAT I	Global Studies History Social Studies Geography Economics Mathematics Statistics or Accounting	

(continued)

Faculty	Compulsory	Optional	Special Requirements
		Consumer Math or Commercial Science Physics Chemistry Biology or Human Biology Philosophy or Logic U.S. Government U.S. Politics French Business Studies Political Science	
Commerce & Business Administration	English (Language or Literature or Composition) SAT I	Geography Global Studies Social Studies History Economics Mathematics Physics Chemistry Biology or Human Biology German French Computer Studies Business Studies Statistics or Accounting Environ. Management Consumer Math or Commercial Science	
Mass Communications	English (Language or Literature or Composition) SAT I	Geography Global Studies Social Studies History Economics Mathematics Physics Chemistry Biology German French Computer Studies Business Studies Statistics or Accounting Consumer Math or Commercial Science Philosophy or Logic Psychology Sociology Art Spanish English Literature	
Archeology	English (Language or Literature or	Geography Global Studies Social Studies	

(continued)

Faculty	Compulsory	Optional	Special Requirements
	Composition) SAT I	History Economics Mathematics Physics Chemistry Biology German French Philosophy or Logic Psychology Sociology Art Latin or Greek	
Tourism Hotel Management Social Services Home Economics	English * (Language or Literature or Composition) French or German SAT I * Note: A second language (French or German) may be substituted for those applying to Faculty of Tourism, Tour Guiding Department	Geography Global Studies Social Studies History Economics Mathematics Physics Chemistry Biology German French Statistics or Accounting Consumer Math or Commercial Science Philosophy Psychology Sociology Art English Language or Literature	Must obtain a minimum of 60% in total grade calculation. Must obtain a minimum of 70% in 1 st foreign language. Pass entry tests held at Faculty.
Fine Arts (Art Section) Art Education Music	English (Language or Literature or Composition) SAT I	Mathematics Chemistry Physics Biology French Any European Language Art Statistics or Accounting Philosophy or Logic Economics History Geography Global Studies Social Studies Sociology	Pass entry tests held at Faculty.
Applied Arts	English (Language or Literature or Composition) SAT I	Mathematics Chemistry Physics Biology Other subjects optional	Pass entry tests held at Faculty.

(continued)

Faculty	Compulsory	Optional	Special Requirements
Physical Education	English (Language or Literature or Composition) SAT I	Mathematics Chemistry Physics Biology History Economics Statistics or Accounting Commercial Science	Pass entry tests held at Faculty & do a complete medical check-up.
Science Agriculture	English (Language or Literature or Composition) Physics or Math Chemistry Biology SAT I	Geology Mathematics Human Biology or Advanced Biology Accounting Computer Science	
Medicine Dentistry Nursing Pharmacy Veterinary Physiotherapy	English (Language or Literature or Composition) Physics or Human Physics or Physical Science Chemistry Biology or Human Biology or Health Occupation Math or Economics SAT I (minimum score 1440)	Other subjects optional	2 SAT II subject tests with a minimum total score of 1100 (maximum is 800 x 2 = 1600) 1- Biology (compulsory) 2- Physics or Chemistry or Math
Engineering Petroleum & Mining Construction Electronics Agriculture Computer Technology (Engineering Section) Urban Planning Fine Arts (Architecture Section) *	English (Language or Literature or Composition) Physics Chemistry or Applied Chemistry Mathematics (Precalc.) Advanced Math (Calc.) SAT I (minimum score 1440)	Other subjects optional	2 SAT II subject tests with a minimum total score of 1100 (maximum is 800 x 2 = 1600) 1- Math (compulsory) 2- Physics or Chemistry or Biology * Pass entry tests held at Faculty

Additional Note: For Business Administration and other majors studied in English at private higher institutions, students must obtain at least 75% in English Language.

AUC Admissions Requirements for Fall 2011-12

Requirements for Students with American High School Diplomas

Having the minimum academic requirements does not grant you an offer of a place but insures entry to the selection process.

1. Applicants, who have completed 12 years of schooling in an international system and satisfied the main requirements of AUC admissions, may be admitted for Fall 2011 – 2012.
2. Applicants, who have completed six years after Ibtedaya or three years after Idadia.
3. If an applicant shifted to an international system after Ibtedaya or Idadia, rule number 2 should also be satisfied.

General Requirements for Students with American High School Diploma:

1. AUC requires a minimum cumulative grade point average (GPA) of 2.0 (on a scale of 4.0) from an accredited school for admission consideration from grade 9 through 12.
2. Students must also submit official copies SAT I test scores. The recommended scores are a combined total score of 1350 in SAT I. SAT I scores must be sent directly from Educational Testing Services to AUC (AUC code number is 0903).
3. Students with a verbal SAT I score of 1000 on the English components, with a minimum score of 450 on each component, will be exempted from the English placement exam and placed into RHET 101/102.

Applicants not exempted must submit recent official test results from the TOEFL / IELTS. Tests must be completed no more than two years prior to the first day of the term for which applicants are applying for admission. The University determines English Language placement using applicants' highest score on the TOEFL / IELTS.

4. AUC calculates only academic subjects for admission consideration; in addition, students will be evaluated using a combination of both GPA and SAT I.
5. Students who spent less than one and a half years at an accredited American high school must submit SAT II results for two subjects of their choice. A total score of 1100 is required, with a minimum score of 500 for each subject.
6. Students who have taken Advanced Placement (AP) courses may be granted transfer credits; however, students will not receive additional points to their GPA.
7. Preference in admission will be given to students who have received an American high school diploma in 12 years of schooling.
8. Requirements for engineering (architectural, computer, construction, electronics, mechanical or petroleum engineering): Math (pre-calculus), physics and chemistry, which could be covered in grade 10, 11 or 12. A minimum SAT I - Math score of 560 is required to be eligible for admission. Ranking of those who qualify is determined according to the equivalent GPA calculated by AUC.

Other majors do not have special course requirements.