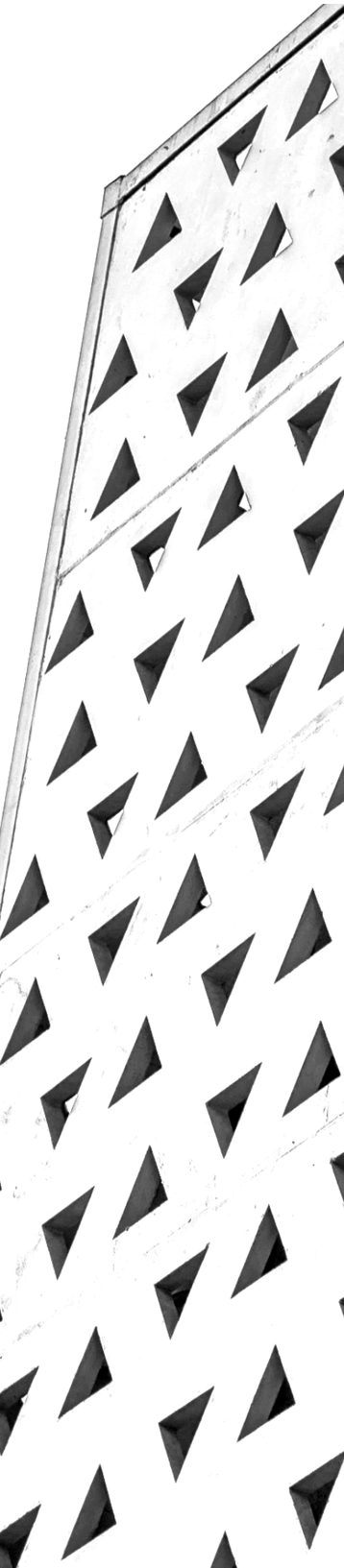
جامعة عفت
EFFAT UNIVERSITY

GRADUATE
CATALOGUE

24/25

Contents



Board of Trustees

HRH Princess Sara Al Faisal
1999 – Present
- Chair of Effat University Board of Trustees.

HRH Princess Latifa Al Faisal
1999 – Present
- Member of Effat University Board of Trustees.

HRH Prince Khaled Al Faisal
1999 – Present
- Advisor to the Custodian of the Two Holy Mosques and Governor of Makkah Region.
- Chief Executive Officer (CEO), King Faisal Foundation.
- Member of Effat University Board of Trustees.

HRH Prince Turki Al Faisal
1999 – Present
- Member of Effat University Board of Founders & Board of Trustees.
- Chairman, Board of Directors, King Faisal Center for Research and Islamic Studies,

HRH Princess Loulwah Al Faisal
1999 – Present
- Vice Chair of Effat University Board of Founders & Board of Trustees.
- The General Supervisor of Effat University.
- Chair of Effat University Honorary Advisory Board.

HRH Princess Haifa Al Faisal
1999 – Present
- Member of Effat University Board of Founders & Board of Trustees.

HRH Prince Amr Mohammad Al Faisal
1999 – Present
- Member of Effat University Board of Founders and Board of Trustees.
- Non-Executive Chairman of Ithmaar Bank Board of Founders & Board of Trustees.

HH Prince Bandar Bin Saud Bin Khaled Bin Mohammed Al Saud
2008 – Present
- Member of Effat University Board of Founders & Board of Trustees.
- Secretary General, King Faisal Foundation.
- Member of AlFaisal University Board of Trustees, and Chairman of the Executive Committee.

HRH Princess Haifa Bint Saud Al Faisal
2015 – Present
- Member of Effat University Board of Founders & Board of Trustees.

HRH Prince Saud Bin Abdulrahman Al Faisal
2014 – Present
- Member of Effat University Board of Founders & Board of Trustees.

HRH Princess Noura Bint Turki Al Faisal
1999 – Present
- Assistant to the Vice Chair of the Board of Trustees.
- Vice Chair of Effat University Honorary Advisory Board.
- Member of Effat University Board of Founders & Board of Trustees.

HRH Princess Sara Bint Saad Al Faisal
2018 – Present
- Member of Effat University Board of Founders & Board of Trustees

HRH Prince Sultan Bin Bandar Al Faisal
2015 – Present
- Member of Effat University Board of Founders.

HRH Prince Saud Bin Turki Al Faisal
2023 – Present
- Member of Effat University Board of Founders.

HH Prince Faisal BinTurki Bin Abdulaziz Al Thunayyan
2022 – Present
- Member of Effat University Board of Founders and Board of Trustees.

Dr. Kamal Hussein Shoukry
1999 – Present
- Member of Effat University Board of Founders and Board of Trustees
- Member of Effat University Honorary Advisory Board.
- Effat University Legal Consultant (Hussein Shoukry Law Firm)

Dr. Haifa Reda Jamal Allail
1999 – Present
- Member of Effat University Board of Founders.
- Secretary General, Effat University Board of Founders and Board of Trustees.
- President of Effat University.

Dr. Mohammed Ibrahem Al Odib
2022 – Present
- Deputy Minister for Private Education.

Dr. Haifa Abdullah Al-Nafie
2022 – Present
- Faculty Member, Taif University.

Dr Sarah Abdulrahem Sofi Kashkari
2022 – Present
- Faculty Member, King Abdul Aziz University.

Dr Iyad Adnan Katib
2022 – Present
- Dean of the Faculty of Computing and Information Technology, King Abdul Aziz University.
- Faculty Member, King Abdul Aziz University.

Dr Raed Ibrahim Alhamad
2022 – Present
- Dean of Scientific Research Saudi Electronic University, Riyadh
- Vice Dean, College of Computing & Informatics, Saudi Electronic University, Riyadh
- Faculty Member, Saudi Electronic University, Riyadh.

Dr Turki Ali Homoud Al Motlaq
2022 – Present
- Dean of the College of Education, Hail University
- Faculty Member, Hail University

VISION

Effat University strives to be recognized among the world's higher educational institutions contributing to scientific discovery and innovation presenting solutions to societal challenges and serving as an agent of change that advances inspired leaders and scholars in fulfilling Queen Effat Al-Thunayan Al-Saud's vision.

MISSION

Effat University prepares aspirational and effective leaders of international quality who contribute to national and global progress by interweaving Effat University Core Values into an innovative education which creates a culture of broad inquiry, intellectual engagement, and valuable societal impact.

ACCREDITATION

Effat University is a degree-granting institution, fully licensed by the Ministry of Higher Education of Higher Education of Saudi Arabia. Effat University's Final License Number is 327/A. Date 8/2/1430. The University is fully accredited by the Saudi Arabian Education Evaluation Commission – National Center for Academic Accreditation and Assessment (ETEC-NCAAA). Effat University has achieved full institutional re-accreditation from 2017 to 2024. All the bachelor degrees that have graduated students under its four colleges have received national accreditation and reaccreditation up to the years 2020, 2022 and 2024. The College of Engineering and all its bachelor programs have received full international accreditation from ABET from 2015 up to 2023. Also, the architecture program at Effat University has recently received accreditation from The National Architectural Accrediting Board (NAAB). In addition to winning the prestigious King Abdulaziz Quality Award, Effat University was also awarded five stars in the categories of Employability and Facilities, and four stars in the category of Teaching by Quacquarelli Symonds (QS) in 2015. It has also been ranked among the Top Arab Universities in the QS Arab Universities Rankings Since 2018. Effat is Also a member of the Association of Arab Universities.

QS STARS RATED FOR EXCELLENCE 2015 FACILITIES

QS STARS RATED FOR EXCELLENCE 2015 EMPLOYABILITY

QS STARS RATED FOR EXCELLENCE 2015 TEACHING

جائزة الملك عبد العزيز للجودة KING ABDULAZIZ QUALITY AWARD

RANKED ARAB REGION QS WORLD UNIVERSITY RANKINGS 2018

University Name: Effat University NAAB International Certification 2019 - 2025

QS

اتحاد الجامعات العربية

هيئة تقويم التعليم والتدريب Education & Training Evaluation Commission

AACSB ACCREDITED

ABET Computing Accreditation Commission

ABET Engineering Accreditation Commission

THE ARAB UNIVERSITY RANKING 2021

PRESIDENT'S WELCOME

A very warm welcome to Effat University

We were founded as Effat College in 1999 by HRH Princess Effat Al Thunayan Al Saud (God rest her soul) and achieved our university status in 2009 – becoming the first private non-profit female university in the Kingdom of Saudi Arabia.

Effat University is the living legacy of its founder, Her Royal Highness Queen Effat Al-Thunayan Al-Saud (may God rest her soul), the pioneer of female education in the kingdom of Saudi Arabia. Established in 1999, the university has modelled itself on a broad liberal arts American style of higher education, emphasizing a holistic, inclusive, diversified educational experience for students and preparing them to be effective future ambassadors of Queen Effat's legacy.

Crafting a Post-Pandemic strategy for a college or university requires attention to two external forces that have shaped the future outlook for higher education around the world, the cost of higher education and the digital educational technologies. Living through Covid-19 crisis has actually inspired creativity, critical reflection, transformation, and desire for renewal among faculty, staff, administrators, parents, alumni, and society as a whole.

I truly believe that a university is an amalgamation of its people and values. The Students, Board of Founders, Board of Trustees, Faculty and Staff, and Alumni have played a role of paramount importance in their unwavering support and counsel. Before we dive into the details of the Strategic Plan 2022-2027, I would like to express my heartfelt gratitude to all the people involved in making Effat University what it is today. With the same commitment and dedication displayed by everyone in the past, I am certain that we will together take Effat University to new heights.

Effat University's Strategic Plan 2022-2027 (the fifth of its kind) emphasizes on innovation, by inspiring everyone at Effat University to be a part of a digital transformation journey. This is a strong reflection of a nation-wide movement towards achieving Vision 2030 and the announcement of national aspirations and priorities of Saudi Arabi's Crown Prince Mohammed bin Salman for the research, development, and innovation section. This will be achieved by empowering and engaging the stakeholders, optimizing the operations, encouraging innovative research and development, as well as providing top notch services centered around the success of students.

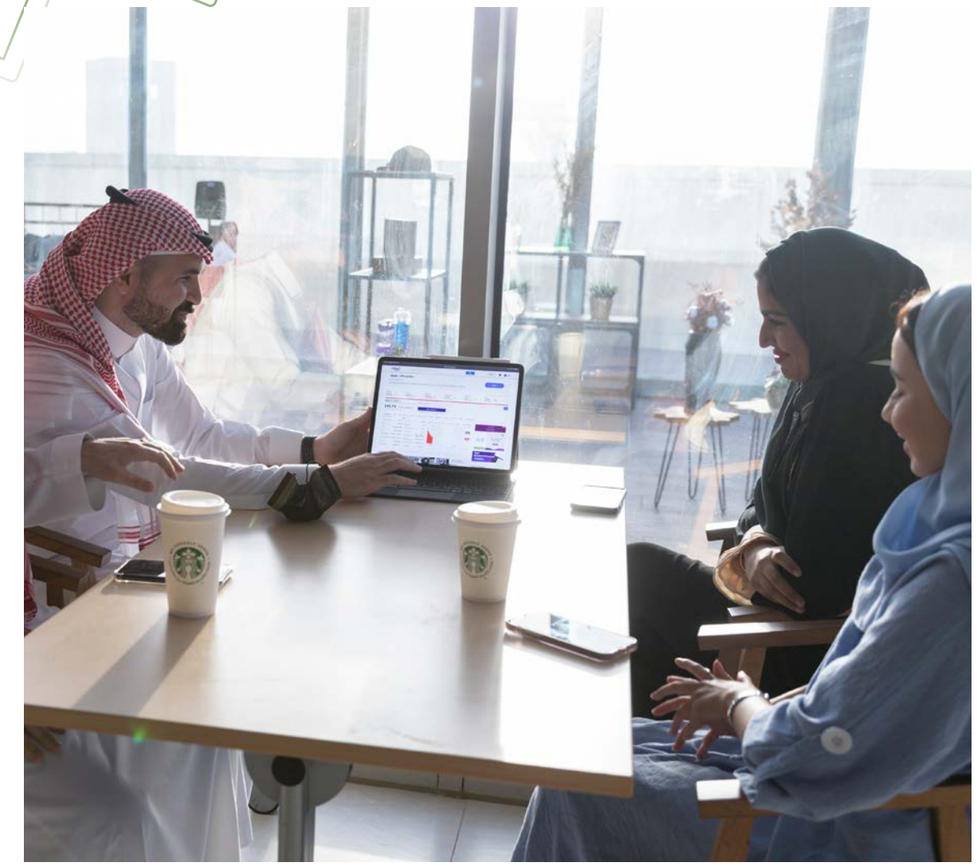
We are calling this strategy, Innovation and Digital Transformation

The focus of this Strategic Plan 2022-2027 is to: i) enhance the mission and vision of the university in line with the Saudi Vision 2030 ii) strongly infuse the culture of innovation into the heart of university's core values iii) provide a top-class learning environment and state-of-the-art facilities to enhance student experience iv) develop sustainable financial planning and management v) strongly support both professional and personal development of the faculty and staff vi) create long lasting impact with a focus on research-oriented philosophy vii) create and upscale partnerships with various entities and ramp up community presence viii) feature in the top five universities of Saudi Arabia and top 800 universities in the world.

In this strategic plan, Effat university will experience the transformation to become a co-educational institution. The decision for Effat University to co-educate was made for a demand/supply reason, as well as to maintain a competitive edge over other similar higher educational institutions in the kingdom and ensure its standing as a successful and competitive liberal arts university. In promoting the advancement of a co-educational institution, and in my capacity as a president of Effat university I formed an ad hoc committee to specifically discuss this issue in 2018. The committee produced a report stating the reasons why it would benefit Effat university to become co-educational. The committee suggested that it would be better to have male in the classroom to improve the quality, diversity, and inclusiveness of student body as well as improve campus life. Furthermore, the university would more likely become stronger because it would draw more students who were interested in studying at Effat University. The Board of Trustees read the recommendation and believed that the inclusion of male into the university would increase its reputation nationally and internationally and support the financial sustainability of the institution. Since the university had the space to accommodate male students, the Board hopes that the ratio of male to female will grow gradually to 1:1 by 2027 and the undergraduate student body would consist of 2418 student by 2027. Therefore, in January 2022 based on positive consensus from the student body, faculty and staff, University Council, and based on the Board of Trustees recommendation, the Ministry of Education agreed to make Effat University co-educational starting in the Spring of 2022.

Effat University has successfully navigated and overcome the adversities posed by the pandemic over the course of the last few years. Despite the challenges, I take pride in the way Effat University has continued to deliver high quality education and nurture supreme talent true to the ethos of the founders. The refreshed and rejuvenated Strategic Plan 2022-2027 will continue to unlock more opportunities for Effat University while serving as a guide to triumph over any challenges. The future is very exciting and full of opportunities. I am both excited and honored to be a part of this exhilarating journey with you.

Dr Haifa Reda Jamal Al Lail
President, Effat University



Important Definitions

University life brings with it a new vocabulary, which can be confusing.
Below you will find some of the more common academic terms and what they mean.

Academic year
The academic year at Effat University is divided into two semesters. Each semester consists of 15 weeks, excluding the registration and examination periods.

Academic status
A student's academic status will be determined at the end of each semester and will appear on the transcript that shows achievements throughout graduate study. However, the summer session has no effect on academic status.

Good standing
A student's academic status is maintained when the student's cumulative Grade Point Average (GPA) and semester GPA are at least 'B' or above.

Academic probation
A student is placed under 'Academic Probation' status after the final grades have been processed at the end of each semester (except the summer semester), and her cumulative GPA is less than a 'B'.

Academic dismissal
A student is dismissed if her cumulative GPA is below 'B' for two consecutive semesters.

Why Study at Effat?

Academically renowned and internationally connected, Effat University is the first private institution of higher education for women in Saudi Arabia.

Everything we do stems from Queen Effat's lifelong work and vision. She believed education should be holistic and go hand-in-hand with traditional Islamic values and respect for all human beings. She embraced liberal arts education, encouraged offering new programs that give women unique educational opportunities as part of developing a well-rounded education. All whilst understanding the importance of keeping abreast of modern technological advances and of what could be learned from, and shared through, international partnerships.

That's why we make sure our academic programs are innovative and stimulating, our worldwide partnerships – with universities, businesses and organizations – bring you new perspectives, and our Graduate Ambassadors Program opens up new horizons for you.

As well as internationally recognized qualifications, your time at Effat will give you an unforgettably rich experience, from learning new skills to making great friends and discovering more about yourself as a person.

We'll give you all the personal and academic support you'll need, plus lots of opportunities to gain practical knowledge and make a difference out in the wider community.

And there'll still be plenty of time for relaxing and having fun. We have a half-Olympic-sized swimming pool, a restaurant and cafe, and a recently renovated Student Residence; all here to make your free time more enjoyable. We also pride ourselves on our modern facilities, designed to help you study, including our brand-new, state-of-the-art library with Media Center, electronic classrooms, presentation rooms and large auditorium. With our many clubs and societies, you're bound to meet other students who share your interests – whether they lie in sport, film, charity work or simply in laying the foundations of your great future career.

If you'd like to know more about anything we cover in this catalogue, just visit **www.effatuniversity.edu.sa**

Studying at Effat

Postgraduate curriculum

We have four colleges for your postgraduate degree: Effat College of Humanities, Effat College of Engineering, Effat College of Business and Effat College of Architecture and Design.

Within all of our colleges, you'll have the chance to explore a range of subjects before concentrating on the area that interests you most, both during your time with us and long after you graduate.

We'll always encourage you to take part in our student personal, social and professional development program (Effat Ambassador Program). It's a great way to build your personal and interpersonal skills, as well as your social and global awareness.

As part of your degree, you'll need to complete between 38 and 54 credit hours, depending on the course you've chosen.

We have a liberal arts philosophy here at Effat, believing it's the best way to prepare you for a successful and meaningful career.

Deanship of Graduate Studies and Research

VISION

To be the top international university in research, executive education and graduate studies that develop outstanding knowledge, contraibute to the socio-economic advancement of the Kingdom of Saudi Arabia, and value humanity as a whole.

MISSION

DGSR is committed to preparing innovative scholars and researchers from among Effat Faculty, undergraduate and graduate students able to demonstrate significant intellectual impact and effectively contribute to the growth of scientific and applied research, and demonstrate an interest in global and socioeconomic development through the University's culture of entrepreneurship and community engagement.

Graduate Studies Office

The Graduate Studies Office aims to provide resources, services, and support to guide the graduate academic programs across the university. The Office is also committed to the academic and scholarly success of graduate students.

The Graduate Studies Office provides graduate education that encourages research-based decision making.

The Graduate Ambassadors Program at Effat University is an integral element of our postgraduate programs.

EGAP is a suite of tailor-made workshops, specialist skills sessions and personal development planning activities, designed to help you to gain experience and skills that are highly relevant to academic study.

EGAP is student-centered, inclusive and flexible, and provides opportunities for engagement at all levels. The program has been designed to meet a baseline standard of quality that is externally benchmarked.

EGAP is based on Effat University's IQRA Core Values and the UK's Vitae Researcher Development Framework (RDF) – endorsed by the Research Councils UK (RCUK) – the UK Quality Assurance Agency (QAA), and several higher education stakeholders.

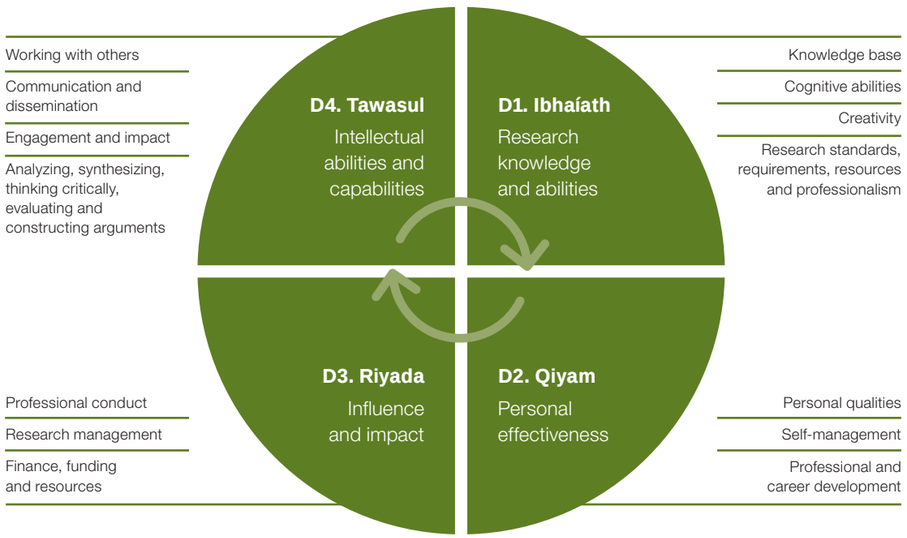
What is EGAP?

EGAP is a professional development framework for planning, promoting, and supporting the personal, professional, and career development of researchers in higher education. It articulates the knowledge, behaviors and attributes of successful researchers and encourages them to realize their potential. For information on the program structure, workshops, and descriptors, please refer to the Effat Graduate Ambassadors Program Handbook.

IQRA and EGAP domains

IQRA has four core domains: research-based thinking, ethical values, leadership, and effective communication. These correspond to best practices in human development. The Vitae Researcher Development Program also has four main domains: knowledge and intellectual abilities, personal effectiveness, research governance and organization, and engagement, influence and impact. Each of the four has three sub-dimensions, as demonstrated in the following diagram.

IQRA Core Values, EGAP domains and Vitae RDF



EGAP articulates the knowledge, behaviors, and attributes of successful researchers – qualifying you academically through workshops, to make you valuable researchers and employees.

Effat University Graduate Ambassadors Program: Intended outcomes

D1. Research knowledge and abilities

- Awareness of issues related to the rights of other researchers, of research subjects, and of others who may be affected by the research, taking into account confidentiality, ethical issues, attribution, copyright, malpractice, ownership of data and the requirements of the Data Protection Act
- Awareness of the standards of good research practice at Effat University and in the field
- Awareness of relevant health and safety issues and understanding of the processes for funding and evaluation of research
- Awareness of responsibility
- Awareness of the process of academic or commercial exploitation of research results
- Ability to develop theoretical concepts
- Ability to make decisions based on research (research-based decision making)
- Knowledge of recent advances within one's field and in related areas
- Understanding relevant research methodologies and techniques
- Ability to summarize, document, report and reflect on progress.

D2. Personal effectiveness

- Willingness and ability to learn and acquire knowledge
- Creativity, innovation and originality in one's approaches
- Flexibility and open-mindedness
- Self-awareness and the ability to identify own training needs
- Ownership for one's career progression, setting realistic and achievable career goals, developing ways to improve employability
- Self-discipline, motivation, and thoroughness
- Ability to draw boundaries
- Ability to initiate and work independently and self sufficiently.

D3. Influence and impact

- Ability to develop and maintain co-operative networks
- Ability to maintain working relationships with supervisors, colleagues and peers
- Ability to evaluate one's behaviors and the impact on others
- Ability to listen, give and receive feedback and respond perceptively and in a timely manner.

D4. Intellectual abilities and capabilities

- Ability to write clearly and in a style appropriate to purpose
- Ability to construct coherent arguments and articulate ideas clearly to a range of audiences, formally and informally through a variety of techniques
- Capability to constructively defend research outcomes at seminars and via examination
- Ability to generate public appreciation of one's activities
- Ability to support the learning of others when involved in teaching, mentoring or demonstrating activities
- Ability to recognize and validate problems
- Ability to construct original, independent and critical thinking.

عمـــادة الـــقبـــول والتســـجيـــل
Deanship for Admissions and Registration

VISION

The Deanship for Admissions and Registration thrives on a student-centered environment thus strives to provide comprehensive and excellent services to students by combining the most advanced technological resources and a team of highly trained and sensitive professionals in a welcoming and supportive environment that values diversity and multiculturalism, mutual respect, outstanding customer service, efficiency and accuracy.

MISSION

The Deanship of Admission and Registration attracts, admits, retains and graduates exceptional students through offering effective, efficient, fair, transparent and state-of the-art services

Applying to Effat

Effat University admission criteria

Applicants who wish to apply for any graduate program at Effat University need to fill the application form provided electronically on the university website for that particular program, and then send the filled application form in addition to the copies of all the required documents either in person or by fax or email to the Office of Graduate Studies.

General admission requirements

- A degree from either a Saudi university or one recognized by the Ministry of Education.
- Recommendation letters.

Admission requirements

- Complete the application form (non-refundable application fee of SR1000), VAT excluded; please visit the Online application.
- Provide A Copy of National ID for Saudi (Copy of Valid Iqama for Non-Saudi).
- Provide a Copy of the Student's Passport
- Provide Original Bachelor Degree Certificate
- Provide Original Bachelor Degree Transcript
- Provide three recommendation letters
- Provide Two recent passport-size photos
- Provide a research statement (500-1000 words).
- Provide English Standardized Test certificate (TOEFL/IELTS) OR sit for Effat placement test Cambridge Linguaskill, (fee of SR460). To schedule and know more about Effat placement test procedures, please visit Effat University Testing Center.
- Complete and notarize the medical examination report and emergency contact information form; please visit Effat University Admissions to download Effat Medical file.
- Sit for a personal interview and give a presentation.

General admission procedures

- You must satisfy all application requirements first. You must also submit your undergraduate certificate and transcripts together with identification documents and all other required application materials.
- You will then be requested to sit for the program admission tests and interviews required by the relevant college/department. The Office of Graduate Studies, in coordination with the Deanship for Admissions and Registration, determine the dates and venues of the admissions and placement tests.
- Applicants are granted admission in accordance with their overall evaluation in admission tests and interview, as well as the maximum number permitted for admissions established for the concerned program in that academic year.
- The Deanship of Graduate Studies and Research, in coordination with the Deanship for Admissions and Registration, will inform students accordingly by way of an acceptance letter indicating the admission status. The admission status will be one of the following:
  - Accepted
  - Provisionally accepted
  - Rejected.
- Accepted and provisionally accepted students will receive acceptance letters, while those students unfortunately not successful this time around, will not receive any issued acceptance letter. However, they are entitled to receive a letter specifying the results of their admission tests and interview.
- Provisionally accepted students are required to pass the appropriate preparatory program devised to help them qualify for the graduate program they are applying for.
- The structure and content of the preparatory programs will vary according to the requirements set by each department for each program.

Effat University admissions criteria for postgraduate studies

We judge the applications we receive on both academic performance and potential. That's why our final decision is primarily based on your admission test score and previous academic record. Your personal interview then helps us to assess your academic level from your admission test scores, as well as advise you on the best courses for you before you register.

If you do not achieve the minimum scores in your English test and/or program test, but show strong academic performance in other areas, we might still accept your application on the condition that you take our Preparatory Year for Graduate Programs course.

Here are the placement cut-scores you'll usually need to achieve:

College	Programs	Bachelor GPA		English Proficiency	Presentation and Interview	Recommendation Letters	Research Statement
		Cum GPA	Major GPA				
Effat College of Humanities	Master of Science in Translation and Interpreting (MTI)	2.75 - 4/ 4	2.75/4 or 3.75/5	IELTS: 6 TOEFL IBT: 61 Linguaskill: 169	Required	Three	500 - 1000 words
	Master of Science in Clinical Psychology (MSCP)						
	Joint Master of Arts in Museum Studies						
Effat College of Business	Master of Science in Finance (MSF)						
Effat College of Architecture and Design	Master of Science in Urban Design (MSUD)						
Effat College of Engineering	Master of Science in Energy Engineering (MSEE)						

Definitions

*GMAT: Graduate Management Admission Test
*GRE: Graduate Record Examination

Applying for your visa

To make sure your visa application goes smoothly, you'll need to include these with your application:

- Complete Effat application
- Two passport-sized photographs
- Scanned copy of your passport (the passport must be valid for a year, including all pages)
- A copy of your bachelor certificate.

If you are a visiting or transfer student, in addition to the above, you will need:

- A copy of your transcript
- SAR 2,720 / $725 visa processing fee.

Things to remember

The full fees for one academic year, including any additional fees, must be paid before your classes begin. Processing your visa could take up to six months.

Please note

The university can smoothly process a student visa when all required documents and payments are received from the applicant by Admissions. Admissions cannot confirm the time needed for the relevant authorities to process student visas. Overseas applicants are therefore advised to allow a minimum of six months before classes begin.

Next steps

Your offer to join us

We have a rolling admissions policy at Effat. We'll let you know if your application has been successful as soon as we have:

- Your completed application
- Your supporting credentials
- The results of your placement test scores.

Accepting your place

To enroll with us, you will need to pay in full for your tuition and fees (upon admission and before completion of your registration). If you plan to live on campus, you'll also need to pay, in full, your room and board fees.

You'll need to complete medical and emergency-contact forms before you start your classes, and if you'd like to defer your enrollment, you'll need to send us a written request. Your admission letter is valid for one semester. If you can't register within one semester, you'll have to apply again and retake your placement tests.

Orientation

As a new graduate student, you'll be asked to attend the Orientation Day that will give you important information about Effat and how to make the most of your time with us.

Advising

Once you've had your admission letter, our Admissions and Registration Office will put you in touch with your Departmental Chair. They'll assign you a personal academic adviser who'll support you throughout your time at Effat.

You'll then follow the same early registration and formal registration process every semester you spend with us.

Accommodation – Effat Student Residence

Our Student Residence was completely renovated in 2008 and now offers you common areas, a buffet-style restaurant for chef-prepared meals between 6am and 10pm, laundry rooms and shared kitchens for snacks and sociable cooking.

All our bedrooms have internet connections, cable televisions, private phone lines, refrigerators, bedding, desks, lamps, drapes and private bathrooms, and you can choose either a single or double room. We like to think that our residence is a real 'home from home' – you'll soon settle in with our housemothers to help you with practicalities, 24/7 security to keep you safe, and on-call transportation if you need to go shopping or visit friends and family.

Academic Bylaws

In this section you'll find out how to formally register and register early for courses. You'll also learn more about course loads and dropping, adding or changing courses.

The registration process

Early registration

During the middle of the first (fall) semester, early registration is held for the courses to be taken by students during the second (spring) semester. In the middle of the second semester, early registration is held for both the coming summer semester and the first semester of the following academic year. Early registration is required of all enrolled students during the semester.

Late registration

If necessary, you may be allowed to register late during the period specified in the academic calendar, in accordance with the rules set by the university. You are responsible for any consequences of late registration.

Policies relating to courses

Course load in regular semester

You need to enroll for at least six credit hours. The maximum course load is 12 hours. In your graduating semester, you can register up to 15 hours if – and only if – your cumulative GPA is 3.5 or above.

Course load in summer session

You must enroll for at least three credit hours. The maximum course load is six hours.

Dropping or adding courses and section changes

You may change your registration by adding some courses during the period specified in the academic calendar. Courses will not appear in your transcript if dropped during the first two weeks of classes in a regular semester (the first week in a summer semester).

Grades

In this section we'll tell you how and why your course grades will be awarded, and the difference between letters, marks and points. We'll also explain our policies on grades and transcripts, and what to do if you feel a grade you've been given doesn't reflect your performance. For more information about grades, please visit **www.effatuniversity.edu.sa** and go to Academics/Study and Examination Bylaws/Graduate Study Bylaws.

Letter grade	Limits of mark	Points	Description of grade
A+	95-100	4.00	Exceptional
A	90-less than 95	3.75	Excellent
B+	85-less than 90	3.50	Superior
B	80-less than 85	3.00	Very Good
C+	75-less than 80	2.50	Good
C	70-less than 75	2.00	Acceptable
F	Less than 70	0.00	Fail

Special grade notations calculated in GPA

DN (Denial): DN is equivalent to a grade of F (0.00). A DN is assigned when a student exceeds the maximum number of absences allowed in the attendance policy.

WF (Withdrawn with Fail): The grade WF is assigned to a student who officially withdraws from all courses after the permitted withdrawal deadline, if her performance was unsatisfactory. A student who obtains such a grade is considered as having failed the course.

Special grade notifications not calculated in GPA

IP Grade (In Progress): An IP grade is granted for courses of a research nature that require more than one semester of study for its completion. On completion of the course, the student will be given the grade she has earned. In the event that the student does not complete the course within the designated time limit, the department that teaches the course may agree to grant the student an Incomplete (IC) grade and such temporary notation will be on the student's transcript of record.

IC (Incomplete): A grade of IC is granted temporarily at the instructor's approval when the student is unable to complete the coursework within the established time period.

W (Withdrawn): A notation of W is assigned when the student has officially withdrawn from a course, in accordance with the established deadlines on the academic calendar for a given semester.

More about grades, transcripts and graduation

Procedure for ëIncompleteí (IC) grades

Only in extreme circumstances does Effat University grant an IC grade for a course. You must provide proper documentation to justify the request. Appropriate documentation may include an official medical report indicating personal illness or the death certificate of a close family member.

The course instructor recommends assigning an IC grade after identifying the work and the time required to complete course assignments. The instructor submits a report to the department chair indicating the reasons and justifications for assigning the IC grade and the work and time required to complete the course.

Formal requests for IC grades must be made no later than the last day of the examination period, at which time you will be given the date by which you must complete all the required work for the course.

When possible, all work should be completed within two weeks of the start of the following academic semester. However, based upon the instructor's recommendation, the department chair may allow you to complete the course requirements during the following semester (though the course requirements must be met by the end of the next regular semester).

In no case shall an IC grade remain as a permanent notation on your academic record.

Grade changes

If you feel you have received a grade that is demonstrably inaccurate or that grading was unfair, the first step is discussing the matter with your course instructor.

If you are unable to resolve the problem informally, you may present an official appeal to the relevant department chair. This must be received no later than the second week of the following semester.

The department chair will investigate the matter based on your work and will either dismiss the appeal as invalid or forward it to the College Council for a decision.

Alternatively, you may submit your concern to the Deanship for Admissions and Registration.

Transcripts

If you require an official copy of your transcript, apply using a 'Disclosure of Student Information' form. This form is available via the Deanship for Admissions and Registration. You will need to sign for the release of official transcripts and pay a fee of SR 100 per transcript. Transcripts will be withheld for students with outstanding bills until such financial obligations are settled.

Disclosure of student records

The university will never disclose information and the academic records of any student except with written prior consent. Exceptions to this principle are made only in the following cases:

- Compliance with judicial orders
- A health or safety emergency
- For authorized Effat University administrators, academic advisers and faculty members
- To the guardian of a dependent student
- To the Financial Aid and Scholarships Office if the student has applied for or received financial aid or a scholarship
- Upon the request of administrators of other educational institutions to which the student has applied. In such cases the student will be given, upon her request, a copy of the information sent to the institution where she seeks to enroll
- To sponsors of students on scholarships or financial aid.

The university may disclose routine information without prior written consent from the student. This information may include only the following items: name, the degree received, contest or placement test results, year of graduation.

Application for graduation procedure

To graduate in a given semester, you must apply no later than the second week of the semester. You should complete an 'Application for Graduation' form (obtained from the Office of Admissions and Registration) and submit it to the Graduate Auditor by the established deadline in the semester in which you are due to graduate.

If you fail to complete degree requirements by the end of the academic term for which you have applied to graduate, you will need to reapply in order to graduate at a later date.

Students must obtain a minimum GPA of 3.00 out of 4.00 in order to graduate from Effat University.

Diplomas

Diplomas and degrees are issued by the Office of Admissions and Registration.

Names on diplomas and degrees will be spelled exactly as they appear on official documents (passports or identity cards).

According to the Ministry of Education of the Kingdom of Saudi Arabia, names should include first name, father's name, grandfather's name and family name. Names appear both in Arabic and in English.

If a name on a passport or an identity card does not appear in both languages, then the spelling of the missing language will appear according to the personal preference of the student.

Passing Grades:

- A student is not considered successful in the course unless he/she obtains at least a grade of "good/high" in it.
- The student passes the complementary course the first time with a grade of no less than "high good", and his/her cumulative GPA in all complementary courses is not less than "very good".

Tuition and fees for the academic year 2024-2025

Colleges/Major	Program credit hours	Cost per credit hours (VAT Included)	Cost per credit hours (VAT Excluded)	* Additional Fee (VAT Excluded)	Total Estimated program (VAT Excluded)
Effat College of Humanities					
Master of Science in Translation and Interpreting (MTI)	48	SAR 3,181/ credit hours	SAR 2,766/ credit hours	SAR 5,400/program	SAR 138,168
Master of Science in Clinical Psychology.					
Joint Master of Arts in Museum Studies					
Effat College of Business					
Master of Science in Finance	42	SAR 2,769/ credit hours	SAR 2,408/ credit hours	SAR 2,400/program	SAR 103,536
PhD in Business Administration	60	SAR 3,450/ credit hours	SAR 3,000/ credit hours	SAR 24,800/program	SAR 204,800
Effat College of Architecture and Design					
Master of Science in Architecture and Urbanism	33	SAR 3,834/ credit hours	SAR 3,334/ credit hours	SAR 2,400/program	SAR 112,422
Effat College of Engineering					
Master of Science in Energy Engineering	36	SAR 4,238/ credit hours	SAR 3,685/ credit hours	SAR 2,400/program	SAR 135,060

Note: The total estimated program fee may vary depending on registered credit hours and additional fees.

Additional Fees (Mandatory):

Application and Admission Procedures Fees

- SAR 1,000 (non-refundable) (VAT Excluded)
- SAR 1,150 (non-refundable) (VAT Included)

*E-Learning Resources Fees

- SAR 600 / semester (VAT Excluded)
- SAR 690 / semester (VAT Included)

*Practicum (Hospital and Clinic) Fees

Master Students enrolled in the of Master of Science in Clinical Psychology are required to pay Practicum (Hospital and Clinic) Fees as follows:

- SAR 3,000/ semester (VAT Excluded)
- SAR 3,450 / semester (VAT Included)

*PhD Students Are Required to Pay the Following Fees

Qualifying Examination Fees in 3rd year Fall semester

- SAR 5,000 (VAT Excluded)
- SAR 5,750 (VAT Included)

Teaching Engagement Fees in 3rd year Spring semester

- SAR 5,000 (VAT Excluded)
- SAR 5,750 (VAT Included)

PhD Research Lab Fees per semester in 4th year and Beyond

- SAR 5,000 (VAT Excluded)
- SAR 5,750 (VAT Included)

Dissertation Defence Fees

- SAR 5,000 (VAT Excluded)
- SAR 5,750 (VAT Included)

Graduate Audit Fee

- SAR 2,070 (VAT Included)

Additional Fees (Based on Requirement)

Description	Amount (VAT Included)
Linguaskill General Test on campus	SAR 460
Linguaskill General Test Online	SAR 650
GMAT Test	SAR 1518
*Late Registration Fee	SAR 50 per credit hour starting from the 3rd week for the 12-credit hour registered and above
	SAR 690 fixed amount starting from the 3rd week for the student who registered less than 12 credit hours.
Grade Appeal	SAR 230 fixed amount per course/ per request starting from 1st request
Concern	SAR 230 fixed amount per request starting from the 2nd request per semester
Transfer Fees – Transfer between programs within Effat University	SAR 460
Transfer Fees – Transfer from other Universities/ Colleges to Effat University	SAR 460
Late Re- Enrolment	SAR 1150 per course
PhD Editing and Proofreading Fees- Standard Editing & Proofreading	SAR 248 for/1000 words
PhD Editing and Proofreading Fees- Substantive Editing & Proofreading	SAR 388 for/1000 words

* This applies to college students who did not register by the end of the Add & Drop period.

Payment and Refund Policy

Payment

Students are required to pay their full tuition and fees upon registration.

Payment Plan

Effat Payment Plan provides students with the option to pay tuition fees monthly. It is designed to relieve the pressure of lump-sum payments by allowing to spread payments over a period of months.
Depending on the date of your request, you may be eligible for up to three installments per semester.
Payment plan installments will be requested to be settled at the end of each month.

Eligibility for Payment Plan

The student account must be in good standing to be eligible for an installment payment plan. If the student has past-due balances, he or she must contact Student Financial Services to explore alternative payment arrangements.

Registration Fees (First Instalment)	SAR 5,000 (Upon registration)
Second Instalment	50% of the total tuition fees (Due after the end of Add & Drop period)
Final Instalment	The deadline for settlement of the remaining balance of total tuition is due around two weeks before the beginning of early registration for the following semester.

Important Notification

- Tuition is assessed on a per-credit-hour basis.
- Student tuition is assessed each semester on the basis of the student's major and the number of credits registered.
- Effat University reserves the right to withhold student services, including Blackboard and Banner access, from students who do not complete their due payment as per their payment plan or if their account status is delinquent.
- Effat University cannot waive tuition or fees for students who register on Banner and fail to attend their classes or stop for any reason without completing the clearance form and submitting it to the registration office.

Payment method

The payment can be made by:

- E-Payment http://onlinepayment.effatuniversity.edu.sa
- Cash (Working hours are from 8:00 a.m. to 3:00 p.m.)
- Cheques payable to Effat University.
- Credit Card (VISA, Master Card, American Express)
- Direct Deposit or Bank Transfer* to EFFAT bank account.

Wire Transfer Required Information

Bank Name: **Saudi National Bank (SNB)**
Name of Account Holder: **Effat University**
Bank Account Number: **10147135000210**
International Bank Account number (IBAN): **SA9310000010147135000210**
SWIFT code: **NCBKSAJE**

Refund policy

(Also reported in the Effat University Academic Calendar)

A. Refunds for courses dropped during the Add & Drop period.

Student who drops courses	Refunded Fees
During the 1st to 2ed week of the semester	100% of Tuition Course fees

B. There is no refund for withdrawal from individual courses or more after Add/Drop period.

C. All registered and enrolled students who want to withdraw from the university or withdraw for a semester, during the 1st and 2nd week of the semester, are obligated to pay an administration fee of SAR 2500.

D. In the event that a student withdraws from the university or withdraws for a semester), the following refund schedule will be applied: (Also reported in the Effat University Academic Calendar)

Student Who Withdraws [University withdrawals or withdraws for a semester]	Refunded percentage of the total tuition fee
During the 1st and 2nd week of the semester	100% of the tuition fees
During the 3rd week of the semester	75% of the tuition fees
During the 4th & 6th week of the semester	50% of the tuition fees
During the 7th & 8th week of the semester	25% of the tuition fees
After the 8th week of the semester	Non-refundable

Note: Student refunds with complete documentation will be processed within a minimum of 15 working days.

Contact information:

Email: **Financial@effatuniversity.edu.sa**

Partner institutions and organizations

Here at Effat, we offer our students a wealth of experience and opportunity. In keeping with our mission to (prepare aspirational and effective leaders of international quality), and our vision to (serve as an agent of change that advances inspired leaders and scholars in fulfilling Queen Effat Al Thunayan Al Saudís vision), we engage in partnerships with leading institutions and associations, both in the Kingdom and around the world.

These partnerships – academic, internship and research industrial – enhance not only our academic programs, but our student experiences too. Strengthening language abilities, promoting a culture of diversity and opportunity, empowering Effatees with the skills they need, and inspiring them to become leaders of the future, on a local and global scale.

International students

Every year, students from countries as diverse as China, Nigeria, the UK and Canada come to study with us. If you're an international student, we'd welcome your application for a full degree or selected course modules as a visiting student, and will give you all the support you need (including helping you to obtain your visa).

For more information, contact the Office of Admissions and Registration by emailing **admissions@effatuniversity.edu.sa** or by calling **+966 92 000 3331**.

Academic Partnerships

University of the People

The mission of University of the People is to offer affordable, quality, fully online, degree-granting educational programs to any qualified student. UoPeople believes that education plays a fundamental role in strengthening respect for human rights and fundamental freedoms, and in promoting understanding and tolerance.

Our partnership offers students from both institutions the chance to pursue a variety of fields at the undergraduate level, as well as at the graduate level.

Students will be able to transfer between the two universities in compatible programs.

www.uopeople.edu

Virginia Tech

Virginia Tech takes a hands-on, engaging approach to education, preparing scholars to be leaders in their fields and communities. As the Commonwealth's most comprehensive university and its leading research institution, Virginia Tech offers 275 undergraduate and graduate degree programs to more than 33,000 students, and manages a research portfolio of more than $502 million. Effat English Academy collaborates with the Virginia Tech Language and Culture Institute, whose mission is to promote intercultural competence and understanding by connecting people across borders and disciplines. They aim to inspire globally minded students, scholars, and professionals through transformative learning, innovative collaborations, and cross-cultural engagement.

www.vt.edu

Mount Holyoke

Mount Holyoke is a selective women's college that has a robust reputation for empowering women and developing leadership skills to produce the leaders of the future. Their mission mirrors that of Effat, which is " to qualify tomorrow's competitive leaders". In 2010 the sister institutions started collaboration to develop new initiatives to strengthen and add value to the co-curricular program at Effat.

www.mtholyoke.edu

Syracuse University

Syracuse University has partnered with the department of Computer Science since 2013. Collaboration started with the i-School, but now the new focus is on Artificial Intelligence and Cyber Security and the partnership is being continued with the College of Engineering & Computer Science. The strong collaboration has supported ABET Accreditation.

www.syr.edu

North Eastern University

Effat University collaborates with The Social Impact Lab at NorthEastern University to provide a course in experiential philanthropy education (EPE), supported by the Juffali Foundation, which is a teaching methodology that incorporates grant making into an academic course to enhance and complement core learning objectives.

www.cssh.northeastern.edu

كليـة عفت للأعمـال
Effat College of Business

كليـة عفت للهنـدسـة
Effat College of Engineering

كليـة عفـت للعمـارة والتصميم
Effat College of Architecture and Design

Georgetown University

In 2005, Effat first collaborated with the McDonough School of Business at Georgetown University, Washington DC to establish a department of Business Administration. From this solid foundation, the College of Business was formed in 2009, and now the College offers the first PhD program at a private university. The ongoing partnership with MSB continues to strengthen all the departments, ensures that they stay up-to-date with the constantly changing business landscape, and increases the research capacity of both students and faculty.

www.georgetown.edu

Bocconi University, Italy

SDA Bocconi is one of the few Business Schools that hold the so-called "triple crown", three of the most prestigious international accreditations: AACSB, EQUIS and AMBA. It is also the only Italian Business School to feature in all the major international rankings, including Financial Times, Forbes, Bloomberg Businessweek and The Economist.

www.sdabocconi.it

Tokai University

The Computer Science department's international partner is Tokai University, in the land of technical innovation, Japan. Tokai collaborates with Effat in ensuring that the curriculum remains up-to-date in this rapidly changing field. Professors from Tokai visit on an annual basis, giving not only lectures and courses relevant to the field, but also insights into the fascinating Japanese culture. Students have also taken research internship courses in Tokai.

www.u-tokai.ac.jp/international

Duke University

The Pratt School of Engineering and Effat University have been partners since 2004, when they collaborated to develop the Electrical and Computer Engineering (ECE) curriculum and establish the program, the first of its kind for women in Saudia Arabia. Every year, faculty from Duke visit the department to monitor its development and interact with students and faculty. ECE graduates each receive a personal letter of congratulations from the Dean of the Pratt School.

www.duke.edu

Kent State University

KENT State University, USA collaborates with Effat University in Students Summer School, studying abroad, joint conferences.

www.kent.edu

University of Miami

The School of Architecture at Miami University has partnered Effat University since 2009. Miami collaborated with Effat to create the new 5-year curriculum in line with NAAB standards. Every summer, Effat students have the opportunity to take courses in Italy at the University of Miami's facilities in Rome. Miami faculty visit Effat annually to monitor students' projects, give guest lectures and monitor the departments progress.

www.miami.edu

University of Southern California, School of Cinematic Arts

The USC School of Cinematic Arts is the leading school of its kind in the world, and boasts an array of Hollywood stars as its alumni. It was involved at the inception of Effat's first department of cinematic arts in 2006 (known then as the Visual and Digital Production Department), and remains an active partner until now. Every year, at least two faculty members come to Effat to offer master classes, evaluate student projects, and ensure that the department is at the forefront of the newest Hollywood trends.

www.tisch.nyu.edu

Arts University, Bournemouth UK

AUB is a leading University offering high quality specialist education in art, design, media and performance across the creative industries. It was ranked as the UK's top specialist art and design university in The Sunday Times Good University Guide. It has worked with Effat on a range of projects, including a documentary film for international release, post-graduate art projects, pop-up film workshops, and many others.

www.aub.ac.uk

Employer and Internship Partnerships

Waad Academy

The agreement between Effat University and Waad Academy, held on March 22nd 2018, aims to collaborate and provide internships and job opportunities for Effat students and graduates to work on various projects. Waad Academy Schools offers a holistic blended learning experience to nurture the students' heart, mind & body. The academy is located in Jeddah.

www.waadacademy.edu.sa

Maersk Line

The agreement between Effat University and Maersk Line, held on February 18th 2019, aims to collaborate and provide internships and employment opportunities for Effat students and graduates. Maersk is an integrated container logistics company working to connect and simplify its customers' supply chains. As the global leader in shipping services, the company operates in 130 countries and employs roughly 70,000 people.

www.maersk.com

Mövenpick Hotels & Resorts Group

The agreement between Effat University and Mövenpick Hotels & Resorts, held on September 27th 2018, aims to collaborate and provide students and graduates with opportunities to have internships and employment at the hotels corporate offices. Mövenpick is a firm with Swiss roots and a restaurant and hospitality heritage that dates back to the 1940s. It embraces innovation to meet ever-changing guest needs and continue to celebrate their rich culinary legacy, setting trends but never compromising on quality and authenticity. Mövenpick take a sustainable and responsible approach, caring for local communities and protecting the environment in the destinations where they operate.

www.movenpick.com

Baker Hughes a GE company

The agreement between Effat University and Baker Hughes a GE company, held on November 6th 2018, aims to collaborate and provide students with opportunities in internships, employment and research under their programs, which gives great opportunities to both students and graduates to learn and develop their abilities. Baker Hughes, a GE company is an international industrial service company and one of the world's largest oil field services companies. It operates in more than 120 countries, providing the oil and gas industry with products and services for oil drilling, formation evaluation, completion, production and reservoir consulting.

www.bakerhughes.com

Crowne Plaza Jeddah Hotel

On Sunday, 28th April 2019, Effat University represented by Dr. Haifa Reda Jamal Al-Lail, President of Effat University have signed an MOU with Crowne Plaza Jeddah Hotel represented by Rafique Izhiman, IHG Area General Manager – Jeddah/Yanbu Hotels & General Manager of Crowne Plaza Jeddah. As part of the University early "Career Programs" ,the aim of the agreement is to support and enhance the efforts of both parties with their goals to make an impact on the lives of young female community in Saudi Arabia. The agreement include providing opportunities for internships and employments.

www.ihg.com

Tamer Group

This partnership – officially established in 2016 – aims to serve Effat students and graduates in providing unique opportunities and experiences to enhance their skills and abilities, ready for the job market. The agreement includes internship opportunities, job offers, and scheduled visits to the company's factory and warehouse. Tamer Group is a leading healthcare, beauty, luxury products and fast-moving consumer goods company, responding to the growing needs of the Saudi and Middle East communities.

www.tamergroup.com

National Commercial Bank

This agreement allows Effat students access to Cooperative Training Programs (COOPs) – internship opportunities that helps them to grow academically and professionally. The experience attained enables them to choose from a wide range of positions on the job market.
The National Commercial Bank was the first Saudi bank to be licensed in the Kingdom. It's considered the largest of its kind in Saudi Arabia, and is a leading financial institution in the region.

www.alahli.com

Building Hope (A Division of CPC)

The long-established relationship between the two parties was further strengthened through an official agreement in April 2015; one that includes – among many things – internship opportunities and scholarships. CPC Holding itself is a Saudi construction product holding company, with a head office in Jeddah and branches in Riyadh, Bahra, Dammam, Qatar (UAE), Egypt, India and Syria. They deliver complete building solutions, for multiple construction needs and sectors.

www.cpcholding.com

Intercontinental Hotels Group

The 2018-initiated agreement between Effat and Intercontinental Hotels Group provides internships and employment opportunities for Effat students and graduates. Intercontinental Hotels Group is a pioneer in the hospitality industry in Saudi Arabia. Effat students and graduates will be introduced to and familiarized with the hospitality industry and given unique opportunities to enhance their skills and abilities to perform brilliantly in the job market.

www.ihg.com/intercontinental

King Abdulaziz City for Science and Technology (KACST)

The agreement between Effat and KACST, which began in Dec 2017, provides students with internship and research opportunities under their program entitled, 'The European Organization for Nuclear Research' (CERN). Effat students will be provided with great opportunities to learn and develop their abilities with this impressive scientific government institution that supports and enhances scientific applied research.

www.kacst.edu.sa

Chalhoub Group

The agreement between Effat University and Chalhoub Group, held on February 12th 2020, aims to collaborate and provide students and graduates with opportunities to have internships and employment at Chalhoub Group.
The Chalhoub Group is the largest retail operator in the Middle East. It played a crucial role in developing the luxury sector in the region. The company has more than 12,000 employees, in 14 countries.

www.chalhoubgroup.com

Badir Program for Technology Incubators

Aiming to maximize the mutual benefits between the two parties in terms of consultancy and training, this partnership – which began in 2017 – delivers workshops and joint events to support entrepreneurs in both the region and the Kingdom. BADIR Program for Technology Incubators was launched by King Abdulaziz City for Science and Technology in 2007. 'Badir' means 'to initiate' and is a national initiative aimed at accelerating the growth of emerging tech-based businesses in Saudi Arabia.

badir.com.sa/en/

The Jeddah Chamber of Commerce and Industry (JCCI)

A collaboration since 2016 that includes training programs, the organizing of conferences, and the conducting of research and study with a mutual interest. All of which contribute greatly to the Effat student and graduate educational experience. JCCI is one of the oldest business and services organizations in the Kingdom. It has long served the national economy and business community, contributing to its development and progress via several channels and offered services.

www.jcci.org.sa

Kinan International Real Estate Development

The agreement and ongoing collaboration between Effat and Kinan provides internships and job opportunities for Effat students and graduates on various projects. Founded in 2005 and based in Jeddah, Saudi Arabia, Kinan acquires and develops real estate properties and also operates hypermarket malls.

www.kinan.com.sa

Education E-Solutions

Since 2016, this collaboration has provided our students with the best possible training opportunities and workshops, relating to current market employment needs. It also includes consultancy in research, capstone projects, and external review for an educational program. Education E-Solutions is part of the Saudi Bugshan Group and is one of the largest conglomerates in the Middle East and North Africa region. The company is focused on open innovation and education technologies such as augmented reality (AR), virtual reality (VR), 3D, artificial intelligence (AI), predictive or adaptive learning, Raspberry Pi and IoT.

www.edu-esolutions.com

INJAZ Saudi Arabia

Consolidated in 2016, this collaboration includes training programs, volunteering opportunities, and invitations to attend valuable conferences and events. The programs offered are based on three principles: entrepreneurship, work ethos and financial literacy. They aim to smooth the transition from education to professional occupation. INJAZ Saudi Arabia was founded in 2009, in partnership with the Ministry of Education, the National Commercial Bank, and Savola Group. It represents the local presence of the Junior Achievement (JA) Worldwide Program; one which has expanded into 14 MENA countries, and across the GCC, Middle East and North Africa.

www.injaz.org.jo

Youth Leadership Community

The agreement between Effat and the Youth Leadership Community – which began in Feb 2018 – provides students with opportunities to increase their leadership skills and abilities through social enterprise activities that will encourage and help them create new projects. The Youth Leadership Community falls under Rawahil's umbrella of consulting and building capabilities.

www.ylcacademy.com

Research Industrial Partnerships

ALEXANDRIA TRUST

The Saudi Umran Society

MARMARA ÜNİVERSİTESİ

الجمعية العربية السعودية للثقافة والفنون

IEEE

Springer

NEOM نيوم

BRITISH COUNCIL

ARTS UNIVERSITY COLLEGE BOURNEMOUTH

THE AMERICAN COLLEGE OF GREECE Pierce Deree Alba 1875

NON SOLUS ELSEVIER

مدينة الملك عبدالعزيز للعلوم والتقنية KACST

altaaqa

GiB بنك الخليج الدولي

Georgetown UNIVERSITY

GCAM الهيئة العامة للإعلام المرئي والمسموع GENERAL COMMISSION FOR AUDIOVISUAL MEDIA

VISION

The Deanship of Student Affairs is the community that incubates ambassadors, entrepreneurs, innovators, change agents, citizens, and leaders to help them succeed in a diverse global community.

MISSION

To provide a transformative learning experience that helps students acquire IQRA and Effat Graduate Characteristics in order to graduate ambassadors that represent Queen Effat Legacy.

Effat University Code of Ethical Conduct

Introduction

Effat University is a multicultural environment with members from every continent, who engage collaboratively or individually in different activities. It is important that all students recognize and respect not only their own rights and responsibilities, but those of others in the communities – national and international – in which they interact. The purpose of the Effat University Code of Ethical Conduct is to assist students in identifying and resolving ethical matters that might arise throughout the course of their association with Effat. The Code is a guiding rather than prescriptive manual of the general principles governing human interaction. The Code is established in accordance with other policies that Effat has in place. Breaching the Code may result in disciplinary action.

Obligations of Effat University members towards the Code

All members of Effat University are responsible for their own behavior and are obliged to conduct themselves in a manner that upholds the four key principles: Effat University Vision and Mission, the IQRA Core Values, the Characteristics of Effat University Members, and the Legacy of Queen Effat.

The university fosters the values of openness, honesty, tolerance, fairness and responsibility in social, moral, and academic matters. Additionally, all Effat members must keep in mind that the integrity and reputation of Effat University rests on members upholding these values at all times, and that they are of equal importance and must be protected.

Failure to act in accordance with these obligations will be cause for investigation. The following questions should serve as guidance on one's ethical conduct:

1. Does what I am saying or doing comply with Effat University's eight pillars of Tarbawyyat Effat?
2. What is the result of what I am saying or doing on my reputation, the reputation of other members of Effat University, and the reputation and integrity of Effat University as an academic institution, well-reputed in the national and international community?
3. Does what I am saying or doing serve all Effat family members and a purpose beyond self-interest?
4. Is my conduct worthy of emulation?

Tarbawyyat Effat

Pillars of the Effat University Code of Ethical Conduct

'Tarbawyyat' (تربويات) is the name given to the pillars that make up the Effat University Code of Ethical Conduct.

Tarbawyyat is the plural of تربية which is associated in Arabic with educating human beings and equipping them with the necessary knowledge and skills to play a successful role within the communities they inhabit. Inspired by this all-inclusive holistic mission, Effat has adopted the following eight fundamental pillars, referred to as Tarbawyyat Effat.

First pillar: تقوى (Ţaqwā) Piety
Taqwā is the pillar of all pillars. Taqwā denotes a range of meaning: piety, virtue, devotion, goodness, and faithfulness. The Quranic verse from Surat Fatir associates Taqwā with scholars. At Effat University, the search for knowledge and enlightenment is to be guided by the virtue of Taqwā in every conduct. In this sense, Taqwā signifies the importance of being conscious of Allah in learning, teaching and undertaking research. Taqwā in teaching is devotion in delivering knowledge, while Taqwā in learning is faithfulness in the quest for knowledge.

Second pillar: آداب (Ādab) Knowledge, manners and outreach
آداب in Arabic incorporates three distinct yet interrelated meanings that derive from the same root: knowledge, morals, and outreach. In the first two centuries of Islam آداب dab denoted knowledge of the sciences and history, philosophy, and theology. Later, dab was restricted to literary work. Another use for آداب is manners, as in آداب الطعام والشراب (table manners). آداب also shares the roots for madubah (banquet), which is a synonym for generosity. These layers of meaning are reflected in Effat University: a source of knowledge in its broad sense, which constitutes the identity of any liberal arts organization; and a drive to reach to the immediate and international community for the purpose of serving and exchanging knowledge – both in a polite and virtuous fashion.

Third pillar: رعاية (Ri^{C}ayya) Nurturing
The concept of Ri^{C}ayya (رعاية) means continuous care and development. This is an important concept in Islam because it starts with our own selves, then our families, and then the community at large. Nevertheless, nurturing and upbringing are most important with respect to the children and the youth in any society, so that they are brought up on the correct path of Islam. Effat University is conscious of the role it plays in shaping tomorrow's generations. Care and development at Effat take different shapes and forms: teaching and learning, welfare, discretion, health, safety, and security. In other words, Effat University cares for the development of its students with the purpose of creating ambassadors in a healthy environment.

Fourth pillar: بنيان (Bunyan Marsūs) Cooperation and collaboration
Being an educational institution that endeavors to achieve excellence, Effat is convinced that effective communication, interaction and outreach, collaboration and partnership are all sources of inestimable value to all members at the university, and to society at large. All members of the Effat family are encouraged to embrace a culture of collaboration, with maximum individual commitment to contribution, tolerance, modesty, flexibility, creativity, value-adding, acceptance of others, and recognition; believing in the unity and harmony between all mankind. Effat University equally believes that pairing individual recognition with collective team recognition is vital to the effective motivation of all team members.

Effat University places high emphasis on cultural sensitivity, especially in balancing collaborative and individual interests and activities. The university regulates such interests and activities through a number of policies in its Policies and Procedures Manual. Activities that represent a case of failure to meet these regulations and/or considered incidents of misconduct may result in disciplinary action, including the possibility of dismissal of the student.

Fifth pillar: وسطية (Wasaţya) Tolerance and moderation
The term 'Wasaţya' refers to the virtue and value of always striking a balance. At an individual level, it includes balance in attitude; at an organizational level, it involves balance of vision and mission. Moderation is a teaching of Islam and a fundamental characteristic that Effat has adopted. One might think that balance is always the third choice when two extreme choices become valid options. However, Effat University adopts a balanced approach as its principle methodology. This approach is the core value from which all decisions, structures, concepts, and even curriculum emanate.

Sixth pillar: يسر (Yusr) Modesty and ease
So indeed with hardship is ease. Indeed with hardship is ease. (Surat Al Inshirah 94: 5-6)

The Arabic word Yusr (يسر) means ease and it is the opposite of difficulty (عسر) which means hardships.

In this verse Allah is telling us that whatever difficulties or troubles an individual may encounter He always provides a solution, a way out, a relief, a guide to lead to comfort and contentment. The Surat confirms this message by repeating the verse twice and stressing مع "with" to assure human beings that relief does not come after difficulty but with it. These two verses in the Surat of Al Inshirah give a message of hope and encouragement in a time of darkness and difficulty.

Seventh pillar: أمانة (Amanah) Ethics and integrity
أمانة is a pillar within a pillar. Ihsan (إحسان) which derives from the Arabic حَسَن, the root of several words, is the umbrella for all pillars of manners. Ihsan means 'seeking perfection in every deed'. The root word is mentioned in the Quran in 195 places; 12 of them in the form of Ihsan. Seeking perfection in every deed stems from the core values of Islam, "It is to worship Allah as though you are seeing Him, and while you see Him not yet truly He sees you". In this sense, Ihsan carries the following characteristics:

I for itqan: Itqan, or 'excellence' means to arrange and dispose of things in a scientific and artistic way in order to obtain perfect results.

H for honesty: Honesty according to the Merriam Webster Dictionary means "the quality of being fair and truthful". The university expects its students to observe high ethical standards. Thus, the university does not tolerate fraud, theft, embezzlement, harassment, discrimination, violence, favoritism, or nepotism, conflicts of interest, corruption in all its forms, misappropriation of university property or funds, or violating any of Effat University codes and policies. The university has the right to seek prosecution against individuals who violate codes and policies and/or other disciplinary actions.

S for stewardship: According to the Merriam Webster Dictionary, stewardship is "the activity or job of protecting and being responsible for something". Effat University extends the application of this characteristic to volunteering, community service and giving.

A for aspiration: Aspiration is the strong desire to achieve something great. This attitude does not grow in a vacuum but is the outcome of a holistic approach to life – an approach characterized by positivity, openness, and guided by clear visions. Effat University encourages an environment conducive to positive thinking by setting clear goals and guidelines for its students while allowing and rewarding creativity and innovation.

N for non-profit private organizational management: Effat University is proud to be a private non-profit organization committed to the principles and characteristics of effective non-profit management. The university strongly believes that these characteristics – which range from strong commitment to the Mission, businesslike leadership and governance, transparency, sustainability and risk management, to strong community connections and embracing technology – will help it achieve the highest levels of success.

Eighth pillar: توجيه (Tawğyh) Guidance
Sincere advice, guidance and counseling are pillars in the educational process at Effat University. The educational process includes students, as well as faculty members, staff, and the people who make our day-to-day affairs possible. Guidance is offered to all members in several forms. Informal guidance happens naturally between the different members of the Effat family, whereas formal processes include policies and procedures, bylaws, manuals, and orientation sessions. Ultimately, it is the member's responsibility to know what does and does not constitute as appropriate conduct. Acts of misconduct may result in an investigation followed by disciplinary proceedings and/or an investigation by Saudi authorities.

Students could be advised to take ONLY selected courses from the PYGP

* For Effat University Vision and Mission, the IQRA Core Values, the characteristics of Effat University members and the legacy of Queen Effat, please visit www.effatuniversity.edu.sa. Hard copies of these documents are available at the President's office, the Provost's office and the library.

The Code of Ethical Conduct Authorities: The Committees

Introduction

The highest authority in all matters related to ethics at Effat University is the Ethics Higher Committee. The President forms subordinate ethics committees.

The Ethics Higher Committee

1. President (permanent member and head)
2. Provost (permanent member)
3. Vice President of Administration and Finance (permanent member)
4. Dean of Student Affairs (permanent member)
5. Head of the unit that handles the case under investigation (invited member)
6. Faculty of Islamic Studies (non-permanent member)
7. Representative from the University Legal Affairs Office (non-permanent member).

The Student Ethics Committee

1. Dean of Student Affairs (permanent member and head)
2. Dean of the college that handles the student(s) and case under investigation (invited member)
3. Faculty of Islamic Studies (non-permanent member)
4. Representative from Student Government or Student Shura (non-permanent member)
5. Representative from the University Legal Affairs Office (non-permanent member).

Handling violations of the Effat Code of Ethical Conduct

All members of Effat University are expected to conduct themselves in accordance with accepted standards of ethical and professional conduct. These standards are the reasonable expectations placed on any higher education institution to ensure that students uphold a responsible and safe environment conducive to learning and teaching. Professional and ethical misconduct occur when these standards are breached. Acts of professional and ethical misconduct may result in an investigation, followed by a disciplinary proceeding.

Common procedure

One or all of the following steps may take place in the process of investigating an incident of professional or ethical misconduct.

Reporting an incident

Incidents of alleged professional misconduct and/or violations of the Effat Code of Ethical Conduct are reported to one of the university's ethics committees. When the information reported discloses reasonable and probable grounds to believe that the member has committed an act of professional or ethical misconduct, or is incompetent, the relevant ethics committee may initiate an investigation. Incidents may be reported directly to the relevant ethics committee, the Ethics Higher Committee, the President, Provost, unit head, a colleague, or received through an anonymous email or phone call.

Disciplinary proceeding and resolution

The disciplinary proceeding recommended by the respective ethics committee is considered final once approved by the university's Ethics Higher Committee.

For more information please refer to the Effat Code of Ethical Conduct.

Preparatory Year for Graduate Programs (PYGP)

Program description

The Effat University Preparatory Year for Graduate Programs (PYGP) is designed to serve both the academic and professional industries. It aims to bridge the gap between undergraduate and graduate education and supply both industries with well-prepared and highly-qualified candidates. Taking place over two semesters, this value-adding academic program provides subject and language preparation for students who want to enter graduate programs (taught and researched) including but not limited to engineering-related fields, computer science and information systems, architecture, design, arts, humanities, social sciences, business, or STEM at any university – local or international. Students could be advised to take ONLY selected courses from the PYGP.

Educational objectives

To provide students with top-tier and advanced knowledge in their field of specialization

- To provide students with the necessary skills and knowledge to design and conduct high-quality research
- To prepare students to be outstanding scholars, self-directed and highly disciplined
- To prepare students to become excellent communicators, which is a skill highly required in different domains of teaching and quality research output
- To equip students with strong quantitative and analytical skills
- To develop students' creativity, critical thinking, and interpersonal skills.

These objectives are accomplished through the distinctive features of the program:

ï **Supervised research project**
A very valuable feature of this holistic preparatory year is the opportunity to carry out a research project of your choice, supervised by a suitable academic and language expert from Effat.

ï **Weekly cycle and class structure**
A distinctive feature of the PYGP is that language and subject study are integrated: language classes are specific to each subject, and classroom activities are designed to help students develop vocabulary, and any oral and written skills appropriate to the subject.

Learning outcomes

The following table illustrates the skills and abilities gained upon completion of the PYGP.

Learning domains	PLO	Effat characteristics	Student outcomes
Knowledge	K1	ITQAN	Demonstrate a deep understanding of the principles, theories and concepts in their field of choice.
Cognitive skills	C1	ITQAN	Synthesize theoretical and analytical skills to provide innovative ideas for complex theoretical or practical real-world problems related to the field of specialization.
	C2	ITQAN	Apply advanced knowledge and research methodologies and techniques to test innovative ideas and provide creative solutions.
	C3	ITQAN	Effectively design, conduct and communicate research output.
Interpersonal skills and responsibility (IR)	IS1	STEWARDSHIP (RIYADA)	Demonstrate a high level of responsibility and autonomy.
	IS2	IHSAN	Demonstrate the ability to interact, cooperate, and lead in a multicultural group.
Communication, IT, and numerical skills (CS)	CIN1	AMBASSADOR (SAFIRA)	Communicate effectively and use technology creatively to achieve the desirable results.

Career opportunities

Graduates of the preparatory year are expected to follow up with a Master or PhD program. However, those who choose not to opt for further higher education will have gained the knowledge and skills necessary to work as/in:

- Lab assistants
- Teaching assistants
- Research assistants
- Junior administrative positions.

Graduation requirements

To complete 26 credits hours of the program as per the program plan.

Study plan

The preparatory year serves different fields of knowledge: engineering, computer science, information systems, architecture and design, humanities, social sciences, and business-related areas. The program is made up of core courses for all students, and elective courses per field. This provides you with the opportunity to enhance knowledge and skills in your chosen field and excel in your future paths.

Designation of the digits used for course codes

Letters	Digit 1	Digit 2	Digit 3

Digit 1: Designates the year in which the course is taken

Digit 2: Designates the area or specialization of the course within the field

Digit 3: Designates the sequence of the course for the same area.

Digit	Topic
PYGG 00X	General core course
PYGB 0XX	Field-specific electives for business programs
PYGA 0XX	Field-specific electives for architecture and design programs
PYGE 0XX	Field-specific electives for engineering programs
PYGC 0XX	Field-specific electives for computing programs
PYGH 0XX	Field-specific electives for humanities programs
PYGS 0XX	Field-specific electives for social sciences programs

Explanation of the credit hour notation

Credit hours are listed throughout the document in the following format: (3-0-3). The first digit indicates the number of lecture hours, the second digit indicates the number of practical hours (if applicable), and the third digit indicates the total number of credit hours for the course.

The preparatory year is a 26 credit hours program. Students are required to complete two semesters over one year.

Program requirements	Number of credits
General core courses	13
Field-specific elective courses	13

Students are required to take four core courses, regardless of their chosen field. In the first semester students register on three core courses and one field elective; in the second semester they register on one core course and three field electives. Students whose English placement score is between 450 and 550 on paper-based TOEFL (or equivalent) may be conditionally accepted to the program provided they present evidence of a new TOEFL score (or equivalent) of 550 or more. Students with a score less than 450 on paper-based TOEFL (or equivalent) will not be accepted to the preparatory year unless they successfully complete the PYGP Academic English Program prior to enrolling on the PYGP.

The research project component (a field-related core course) provides you with the opportunity to master the tools for producing quality research in your field of specialization, should you opt for further higher education or a professional path.

In addition to those courses specifically dedicated to enhancing your communication skills, this program is taught in English and all research and coursework will be produced in English. You'll be encouraged to present your research at the Graduate Research Seminar Day.

Architecture and Design (PYGA)

Semester 1

Course no.	Course title	Prerequisite(s)	Credits
PYGG 001	Research Methodology	None	4
PYGG 002	Philosophy and Philosophers	None	4
PYGG 003	Statistics for Graduate Studies	None	2
	Elective 1	Dept. approval	3
TOTAL			**13**

Semester 2

Course no.	Course title	Prerequisite(s)	Credits
	Elective 2	Dept. approval	4
	Elective 3	Dept. approval	3
	Elective 4	Dept. approval	3
PYGG 004	Research Project	PYGG 001, PYGG 002 and PYGG 003	3
TOTAL			**13**

Students on the Architecture and Design track must select four courses from the following table.

Course no.	Course title	Prerequisite(s)	Credits
PYGA 001	Urban Design	None	(3-0-3)
PYGA 002	Housing and Economics	None	(3-0-3)
PYGA 003	Comparative Architecture Thoughts	None	(3-0-3)
PYGA 004	Energy and Design	None	(3-0-3)
PYGA 005	Planning and Design of Human Settlement	None	(3-2-4)
PYGA 006	Urban Conservation	None	(3-0-3)
PYGA 007	Introduction to Real Estate	None	(4-0-4)
PYGA 008	Visualization in Design	None	(3-2-4)
PYGA 009	Color and Lighting Principles	None	(3-0-3)

Business (PYGB)

Semester 1

Course no.	Course title	Prerequisite(s)	Credits
PYGG 001	Research Methodology	None	4
PYGG 002	Philosophy and Philosophers	None	4
PYGG 003	Statistics for Graduate Studies	None	2
	Elective 1	Dept. approval	3
TOTAL			**13**

Semester 2

Course no.	Course title	Prerequisite(s)	Credits
	Elective 2	Dept. approval	4
	Elective 3	Dept. approval	3
	Elective 4	Dept. approval	3
PYGG 004	Research Project	PYGG 001 and PYGG 002 and PYGG 003	3
TOTAL			**13**

Students on the Business track must select four courses from the following table.

Course no.	Course title	Prerequisite(s)	Credits
PYGB 001	Mathematics	None	(3-0-3)
PYGB 002	International Marketing Strategy	None	(3-0-3)
PYGB 003	Operation Management	None	(3-0-3)
PYGB 004	Principle of Accounting and Finance	None	(3-0-3)
PYGB 005	Entrepreneurship in Broad Perspective	None	(3-0-3)
PYGB 006	Personnel and Human Resources Management	None	(3-0-3)
PYGB 007	International Business and Economics	None	(4-0-4)
PYGB 008	Fiqh Al Muamalat	None	(3-0-3)
PYGB 009	Introduction to Business Administration	None	(3-0-3)
PYGB 010	Strategic Management	None	(3-0-3)

Computer Science and Information Systems (PYGC)

Semester 1

Course no.	Course title	Prerequisite(s)	Credits
PYGG 001	Research Methodology	None	4
PYGG 002	Philosophy and Philosophers	None	4
PYGG 003	Statistics for Graduate Studies	None	2
	Elective 1	Dept. approval	3
TOTAL			**13**

Semester 2

Course no.	Course title	Prerequisite(s)	Credits
	Elective 2	Dept. approval	4
	Elective 3	Dept. approval	3
	Elective 4	Dept. approval	3
PYGG 004	Research Project	PYGG 001 and PYGG 002 and PYGG 003	3
TOTAL			**13**

Students on the Computer Science and Information Systems track must select four courses from the following table.

Course no.	Course title	Prerequisite(s)	Credits
PYGC 001	Compiler Construction	None	(3-0-3)
PYGC 002	Computational Discrete Optimization	None	(3-2-4)
PYGC 003	Computational Optimization	None	(3-2-4)
PYGC 004	Project Management	None	(2-2-3)
PYGC 005	Advanced Programming	None	(2-2-3)

Engineering (PYGE)

Semester 1

Course no.	Course title	Prerequisite(s)	Credits
PYGG 001	Research Methodology	None	4
PYGG 002	Philosophy and Philosophers	None	4
PYGG 003	Statistics for Graduate Studies	None	2
	Elective 1	Dept. approval	3
TOTAL			**13**

Semester 2

Course no.	Course title	Prerequisite(s)	Credits
	Elective 2	Dept. approval	4
	Elective 3	Dept. approval	3
	Elective 4	Dept. approval	3
PYGG 004	Research Project	PYGG 001, PYGG 002 and PYGG 003	3
TOTAL			**13**

Students on the Engineering track must select four courses from the following table.

List (A) Courses for Electrical Engineering Background

Course no.	Course title	Prerequisite(s)	Credits
PYGE 002	Power System Control	None	(2-2-3)
PYGE 010	Modeling And Simulation For Engineering Systems	Dept. approval	(2-2-3)
PYGE 012	Introduction To Renewable Energy	Dept. approval	(3-1-3)
PYGE 013	Introduction To Petroleum Engineering	Dept. approval	(3-2-4)

List (B) Courses for Science and Engineering Background

Course no.	Course title	Prerequisite(s)	Credits
PYGE 002	Power System Control	None	(2-2-3)
PYGE 003	Advanced Electronics	None	(2-2-3)
PYGE 004	Dynamic System And Control	None	(3-2-4)
PYGE 008	Mathematics For Engineers	Dept. approval	(2-2-3)
PYGE 009	Lab And Simulation	Dept. approval	(2-4-4)
PYGE 010	Modeling And Simulation For Engineering Systems	Dept. approval	(2-2-3)
PYGE 011	Physics And Chemistry For Energy Engineering	Dept. approval	(2-2-3)
PYGE 012	Introduction To Renewable Energy	Dept. approval	(3-1-3)
PYGE 013	Introduction To Petroleum Engineering	Dept. approval	(3-2-4)

List (C) Courses for Nonengineering Background

Course no.	Course title	Prerequisite(s)	Credits
PYGE 001	Digital Communication Systems	None	(3-0-3)
PYGE 002	Power System Control	None	(2-2-3)
PYGE 003	Advanced Electronics	None	(2-2-3)
PYGE 004	Dynamic System and Control	None	(3-2-4)
PYGE 005	Advanced Digital System Design and Implementation	None	(2-2-3)
PYGE 006	Principles of Chemistry	Dept. approval	(2-2-3)
PYGE 007	Principles of Physics for Engineers	Dept. approval	(2-2-3)
PYGE 008	Mathematics for Engineers	Dept. approval	(2-2-3)
PYGE 009	Lab and Simulations	Dept. approval	(1-1-4)
PYGE 010	Modeling and Simulation for Engineering Systems	Dept. approval	(2-2-3)
PYGE 011	Physics and Chemistry for Energy Engineering	Dept. approval	(2-2-3)
PYGE 012	Introduction to Renewable Energy	Dept. approval	(3-1-3)
PYGE 013	Introduction to Petroleum Engineering	Dept. approval	(3-2-4)

Humanities (PYGH)

Semester 1

Course no.	Course title	Prerequisite(s)	Credits
PYGG 001	Research Methodology	None	4
PYGG 002	Philosophy and Philosophers	None	4
PYGG 003	Statistics for Graduate Studies	None	2
	Elective 1	Dept. approval	3
TOTAL			**13**

Semester 2

Course no.	Course title	Prerequisite(s)	Credits
	Elective 2	Dept. approval	4
	Elective 3	Dept. approval	3
	Elective 4	Dept. approval	3
PYGG 004	Research Project	PYGG 001, PYGG 002 and PYGG 003	3
TOTAL			**13**

Students on the Humanities track must select four courses from the following table.

Course no.	Course title	Prerequisite(s)	Credits
PYGH 001	Advanced Arabic Writing	None	(3-0-3)
PYGH 002	Approaches to Translation and Interpreting	None	(3-0-3)
PYGH 003	Arabic Discourse Analysis	None	(3-0-3)
PYGH 004	Introduction to Consecutive and Simultaneous Interpreting	None	(3-0-3)
PYGH 005	English Structures and Functions	None	(3-0-3)
PYGH 006	Liaison Interpreting	None	(3-0-3)
PYGH 007	Linguistics Applied to Translation	None	(3-0-3)
PYGH 008	Phonetics and Phonology for Translators	None	(4-0-4)
PYGH 009	Standard Spoken Arabic and Public Speaking	None	(4-0-4)
PYGH 010	Style and Syntax in Arabic	None	(3-0-3)

Social Sciences (PYGS)

Semester 1

Course no.	Course title	Prerequisite(s)	Credits
PYGG 001	Research Methodology	None	4
PYGG 002	Philosophy and Philosophers	None	4
PYGG 003	Statistics for Graduate Studies	None	2
	Elective 1	Dept. approval	3
TOTAL			**13**

Semester 2

Course no.	Course title	Prerequisite(s)	Credits
	Elective 2	Dept. approval	4
	Elective 3	Dept. approval	3
	Elective 4	Dept. approval	3
PYGG 004	Research Project	PYGG 001, PYGG 002 and PYGG 003	3
TOTAL			**13**

Students on the Social Sciences track must select four courses from the following table.

Course no.	Course title	Prerequisite(s)	Credits
PYGS 001	Conceptual and Historical Issues in Psychology	None	(3-0-3)
PYGS 002	Fundamental Concepts of Social Psychology	None	(3-0-3)
PYGS 003	Key Issues and Controversies in Psychology	None	(3-0-3)
PYGS 004	Learning and Human Development	None	(3-0-3)
PYGS 005	Philosophy of Psychology	None	(3-0-3)
PYGS 006	The Brain and Behavior	None	(4-0-4)

Course descriptions

PYGA 001: Urban Design (3-0-3) — Prerequisite(s): None

This course is a study of the basic principles of urban design, which are required for the design of a new area, or re-developing an existing area. The course will include the influence of the climatic, ecological, technological, economical and social factors on design. Open spaces, pedestrian and car movement, and public and private utilities are some of the urban design elements discussed.

PYGA 002: Housing and Economics (3-0-3) — Prerequisite(s): None

In this course students will be introduced to the principles of housing designs and constructions at all levels: unit level, neighborhood level and urban level. The course will also introduce principles of evaluating housing projects, financing and funding, operational costs, and bill of quantities.

PYGA 003: Comparative Architecture Thoughts (3-0-3) — Prerequisite(s): None

This course concentrates on a detailed comparative study of different worldwide architectural thoughts. It discusses the concepts and concerns that formulate the pillars of shaping and composing the built environment. The many issues of varieties and differences in values and concerns of various regions in terms of social, economic and natural conditions will also be discussed. The course covers the period of architectural evolution from the industrial revolution until the beginning of the 21st century.

PYGA 004: Energy and Design (3-0-3) — Prerequisite(s): None

This introductory course discusses main energy sources (solar, thermal, and wind). The course will expose students to the basics in heat transfer and the thermal properties of the building envelope. It includes the study of the basics of human thermal comfort, and analysis of climatic factors and their effects on architectural design. Building form, the thermal properties of building material, and their effect on building thermal performance and building energy requirement will also be studied.

PYGA 005: Planning and Design of Human Settlement (3-2-4) — Prerequisite(s): None

This course covers topics on definitions of dwelling process; human settlements and its problems; design and planning techniques of human settlements in urban as well as rural areas, and development and establishment of newly-built environments.

PYGA 006: Urban Conservation (3-0-3) — Prerequisite(s): None

This course focuses on the planning and design of the built environment. Lectures will provide advanced knowledge in urban conservation, which is a basic component in sustainable environmental policy. Students will assess and analyze the physical appearance of an urban area as an ongoing transformation process. Urban culture will be considered as a rich source of form and spatial process in future urban conservation.

PYGA 007: Introduction to Real Estate (4-0-4) — Prerequisite(s): None

This course is an introduction to the real estate industry. It helps students widen their horizons in real estate, which itself plays a potentially significant role in economic development. The course topics show that the manner in which real estate is managed can impact negatively or positively on urban development. Lectures will cover two views: the developers' view on aspects of real estate business practices; and the government's view on development of real estate entrepreneurship to avoid social, economic and political burdens.

PYGA 008: Visualization in Design (3-2-4) — Prerequisite(s): None

This course builds on skills learned in computer aided architectural design courses taught in undergraduate studies. Students will focus on architectural drawings with 3D simulations, and computer presentations and rendering techniques.

PYGA 009: Color and Lighting Principles (3-0-3) — Prerequisite(s): None

This course is fundamentally visual in nature. It has a three-dimensional emphasis, extending into explorations of four-dimensional opportunities. This course encourages students to investigate, to experiment and to develop a personal position in response to theoretical design inquiries in order to fully develop a personal sense of critical judgment and accountability toward the use of color, lighting, composition and aesthetics.

PYGB 001: Mathematics (3-0-3) — Prerequisite(s): None

The course aims to develop the basic mathematical skills imperative for effective understanding of core subjects. The topics introduced will serve as basic tools for specialized studies in many fields.

PYGB 002: International Marketing Strategy (3-0-0) — Prerequisite(s): None

This course emphasizes the practical application of international marketing. Based on case studies and examples from today's economy, the course involves understanding the difference between local and international marketing strategies and how to develop and implement a comprehensive marketing plan for international markets. Topics covered include cultural dynamics in assessing global markets, global marketing research and the application of the marketing mix at the global level.

PYGB 003: Operation Management (3-0-3) — Prerequisite(s): None

The course provides students with a broad understanding of Operations Management and the role that it plays within an organization. By the end of the course, students would have developed an appreciation of several concepts that include, but not limited to, operations strategy, inventory and capacity management, process design, forecasting, scheduling, and quality management. Emphasis will be placed on the application of these concepts to actual business situations in a wide range of manufacturing and service companies.

PYGB 004: Principle of Accounting and Finance (3-0-3) — Prerequisite(s): None

This course introduces student to fundamental accounting concepts and the process by which an organization reports financial information to interested parties. The course also provides a conceptual framework of a firm's investment and financial decisions. Students will be introduced to the theory of finance through an examination of its basic tools and fundamental principles.

PYGB 005: Entrepreneurship in Broad Perspective (3-0-3) — Prerequisite(s): None

The course provides students with the opportunity to develop a range of skills and business acumen necessary to maximize the likelihood of success in an entrepreneurial environment. Topics include creativity process and techniques, role and characteristics of successful entrepreneurs, recognizing business opportunities, business plans and models, feasibility analysis, strategies for growth, succession planning in family owned business and family communication.

PYGB 006: Personnel and Human Resources management (3-0-3) — Prerequisite(s): None

This course explores human resource functions as practiced by human resource specialists in business organizations. Specific topics include introduction to HR Management, external and internal influences on HR functions, Management of HR operational challenges such as Job Analysis, HR Planning, Recruitment, Selection, Learning Development, Performance Appraisal, Total Compensation, Safety and Health, Discipline and Grievances, Equity and Diversity, Introduction to HR Strategies, finally, this module includes key concepts related with Saudi Legal Framework in relation with HR functions.

PYGB 007: International Business and Economics (4-0-4) — Prerequisite(s): None

This course helps students develop a considered and detailed knowledge of economics and international business at an advanced level, in the context of the challenges and opportunities faced by organizations operating in the global economy. The course will explain the forces that shape the external environment of the firm such as aggregate demand, economic cycles, inflation, interest rates, exchange rates, and the role that demand management policies play in the economy and their impact on the firm's operations. The student will also learn about how and why the world's countries differ, the importance of Ethical issues in International Business, International Trade Theory, Foreign direct investment, International Monetary systems and Strategic alliances.

PYGB 008: Fiqh Al Muamallat (3-0-3) — Prerequisite(s): None

This course focuses on the basic concepts of Fiqh Al Mouamallat or Islamic law and the application of the Shari'a in Modern Corporation, specifically the role of the Shari'a board of Islamic banks. Topics covered include the structure of the Islamic paradigm (Koran, Sunnah, Sharia'), the definition of Shari'a (Ibadat / Muamallat), the role of Fiqh, Makassid al Shari'a and its link with Istikhlaf. The history of Ijtihad, its techniques (Qiyas, Istislah, Istihsan, Urf) and the importance of Ijma' are also discussed.

PYGB 009: Introduction to Business Administration (3-0-3) — Prerequisite(s): None

This course introduces the basic concepts of business administration and decision making process in the functional areas of production, management, finance and marketing. It also provides an introduction of domestic and global economic environment with a focus on fundamental techniques in business administration related to resource optimization, growth strategies, risk evaluation and marketing tools.

PYGB 010: Strategic Management (3-0-3) — Prerequisite(s): None

The course aims to help the student develop a deeper understanding of the strategic management dynamics, essentials and tools to create a sustainable plan that delivers value and provides competitive advantage. The students would be taken through the strategic management process. It includes the strategy design and implementation by developing a holistic understanding of the firm's environment, its resources and capabilities, as well as an integrative view that spans functional areas. The students shall practically apply the tools of the strategic management on real companies and discuss and present the same in the class. The course will help develop student knowledge on how strategic management helps in corporate governance and develop the capacity to think strategically.

PYGC 001: Compiler Construction (3-2-4) — Prerequisite(s): None

This course discusses the construction of compilers in detail. This discussion concentrates on the following three topics: (I) Advanced topics of classical compilers: LR-table construction, general precedence analysis, general methods of syntax analysis, advanced methods of optimization. (II) Principles of parallel compilers: parallel compiler structure, fundamental methods of parallel syntax analysis, basic models of parallel translation. (III) Formal translation models and their properties: transducers, translation grammars, properties of syntax directed translation, formal language properties relevant to compilers, modern translation models.

PYGC 002: Computational Discrete Optimization (3-2-4) — Prerequisite(s): None

This course discusses formulations of combinatorial optimization problems, greedy algorithms, dynamic programming, branch-and-bound, cutting plane algorithms, decomposition techniques in integer programming, approximation algorithms.

PYGC 003: Computational Optimization (3-2-4) — Prerequisite(s): None

This course aims to develop effective computational methods for large-scale optimization problems in which some or all of the variables must take on integral values. Most the problems are hard to solve (both theoretically and practically). The key for developing successful methods for these challenging problems is to effectively integrate relaxation, decomposition, and search algorithms that exploit structural properties of the problems of interest. Such methods often yield provably optimal solutions or good approximate solutions to large-scale problems in practice.

PYGC 004: Project Management (3-0-3) — Prerequisite(s): None

This course focuses on project management techniques for planning, monitoring and ending a project; engineering, technology and business-related fundamentals; approaches to manage challenges in the context of different organizations and different case studies; and diverse and challenging projects with a focus on planning, scheduling, risk and configuration management strategies.

PYGC 005: Advanced Programming (2-2-3) — Prerequisite(s): None

This course presents an advanced view of computer programming, mainly using C++. The use of current operating systems (e.g. Linux and Unix) and compilers (e.g. GCC) will also be presented. Object Oriented Programming will also be discussed in detail. The differences and similarities between Java and C++ will also be discussed. Hands-on programming will be a key part of the course.

PYGE 001: Digital Communication Systems (2-2-3) — Prerequisite(s): None

This course covers system level analysis and design for digital communications systems: analog-to-digital conversion, digital baseband communications, carrier modulation formats, matched filters, bandwidth efficiency, receiver design, link budgets, signal-to-noise ratio, bit error rates in additive-white-Gaussian-noise (AWGN) channels, and code division multiple access.

PYGE 002: Power System Control (2-2-3) — Prerequisite(s): None

This course deals with modern power-system operation; control problems; solution techniques; active and reactive power; voltage control; unit commitment and economic dispatch; computer control of power systems; load-frequency control and automatic generation control; load flow analysis, and external equivalents for steady-state operations.

PYGE 003: Advanced Electronics (2-2-3) — Prerequisite(s): None

This course deals with feedback topologies; design and analysis of sinusoidal waveform generators; introduction to phase-locked loops; study of digital circuits used in various logic families; and computer-aided design.

PYGE 004: Dynamic System and Control (3-2-4) — Prerequisite(s): None

This course focuses on analysis and design of feedback control systems using computer programs as MATLAB and SCILAB. Topics include mathematical modeling for physical systems which include: linear/nonlinear elements; representation of complete feedback control systems; responses of open loop control systems to various inputs both in time-domain and frequency-domain; practical physical examples used in control system applications such as DC motors; linearization of nonlinear systems and deriving deviation equation and transfer function; stability and error analysis of physical systems with regards to controller designs, and feedback control design using PID and compensators.

PYGE 005: Advanced Digital System Design and Implementation (2-2-3) — Prerequisite(s): None

This course focuses on theoretical and practical experience in advanced digital system design and implementation including: high-performance and high-complexity digital design; system specifications, architecture, modular definition, components choice and CAD (computer aided design) simulations-based functional verification; top-down and bottom-up design approaches; asynchronous and synchronous design approaches; HDL (Hardware Description Language) syntax, lexical conventions, data types, structures, etc.; coding styles; debugging HDL models; test benches; behavioral and timing simulations; pre and post synthesis verification techniques; IPs development; integration, and other advanced features. The course includes the study, modeling and analysis of common design problems like clock distribution, power management, multi-rate design, phase alignment, clock skew, meta-stability, etc.; interfacing techniques between different system modules; case studies and FPGA evaluation cards-based illustrative demonstrations; extensive use of CAD tools including Xilinx-ISE, Altera Quartus and ModelSim for system design, optimization, synthesis, implementation, integration and testing.

PYGE 006: Principles of Chemistry (2-2-3) — Prerequisite(s): Dept. approval

This course provides the fundamental principles and applications of chemistry. Topics include: composition of matter; electronic structure; properties of gases, solids and liquids; chemical reactions; acid-base and ionic equilibria; organic compounds; stoichiometry; thermochemistry, and electrochemistry. The course includes laboratory techniques to gain hands-on chemical reaction and physical measurement experience, including organic synthesis and spectroscopic techniques.

PYGE 007: Principles of Physics for Engineers (2-2-3) — Prerequisite(s): Dept. approval

This course is intended to build the necessary fundamentals of physics relevant to energy engineering and technology. The course includes vectors, kinematics, Newton's laws, forces, energy (kinetic and potential), momentum, the conservation of energy, and the principles of electricity. This course focuses on the fundamental principles of classical physics with emphasis on energy engineering.

PYGE 008: Mathematics For Engineers (2-2-3) — Prerequisite(s): Dept. approval

The course aims to revisit core concepts in mathematics necessary for graduate studies in engineering. It introduces students to the fundamentals of: differentiation and integration techniques; sequences and series; vectors; systems of linear equations; matrix algebra; eigenvalues and eigenvectors, and linear transformations.

PYGE 009: Lab and Simulations (2-4-4) — Prerequisite(s): Dept. approval

This course introduces students to the basic electrical circuits theory, laboratory experimentation, and mathematical simulation. The course covers the simulation and implementation of both DC and AC circuits using the Multisim package. It also covers MATLAB operations; arithmetic operations; arrays and matrices, and solving algebraic and differential equations. Students will use Multisim/ MATLAB/Simulink packages in their course project.

PYGE 010: Modeling and Simulation for Engineering Systems (2-2-3) — Prerequisite(s): Dept. approval

This course introduces students to computer-based modeling and simulation of multidomain engineering systems appropriate for graduate level. Students will explore a range of programming and modeling concepts and techniques using MATLAB and other appropriate software. Through this course, they will learn to develop typical mathematical models, and to validate and use them to predict the behavior of common engineering systems.

PYGE 011: Physics and Chemistry for Energy Engineering (2-2-3) — Prerequisite(s): Dept. approval

This course is designed to augment the concepts of physics and chemistry required in the context of the broad domain of energy engineering. Core topics include thermodynamics, fluid mechanics, phase behavior, nuclear physics, acid-base and oxidation-reduction reactions, electrochemistry, catalysis, reaction kinetics and hydrocarbon chemistry.

PYGE 012: Introduction to Renewable Energy (3-1-3) — Prerequisite(s): Dept. approval

This course introduces students to different types of renewable energy and alternative energy sources, their technology and their application at graduate level. It explores the current heavy fossil-fuels-based energy usage and future demands, and explores the potential of renewable energy in the current energy matrix. Students will develop an understanding of achievable efficiency and cost-effectiveness of renewables technologies. They will examine renewables deployment in industrial and consumer sectors and study the techno-social obstacles, governmental support and incentives in local and global context. In addition, students will learn about concepts such as energy storage and sustainable transport.

PYGE 013: Introduction to Petroleum Engineering (3-2-4) — Prerequisite(s): Dept. approval

This course introduces students to the engineering principles of petroleum field development and operation. It covers topics such as petroleum geology, oil and gas exploration, reservoir energy and forces, well operation techniques, and the basics of drilling and production. Students will study fundamental properties of reservoir rocks and petroleum fluids and experimentally determine them in integrated lab sessions.

PYGG 001: Research Methodology (4-0-4) — Prerequisite(s): None

This course introduces students to the philosophical and theoretical bases and assumptions of research and the range of tools and concepts that are necessary in research. It also provides students with the knowledge and abilities needed to undertake their own research and to evaluate the research of others.

PYGG 002: Philosophy and Philosophers (3-2-4) — Prerequisite(s): None

This course focuses on philosophical paradoxes as a way to introduce concepts and ideas. The course serves as an introduction to the foundations of logic and the theory of knowledge. It aims to round out students' research and conceptualization abilities by fostering the reflective analysis and question asking essential to the construction of new knowledge and ideas.

PYGG 003: Statistics for Graduate Studies (2-1-2) — Prerequisite(s): None

This course aims to develop the basic statistical skills that are imperative for effective understanding of the core subjects. It covers a range of topics that serve as basic tools for specialized studies in different fields.

PYGG 004: Research Project (3-0-3) — Prerequisite(s): PYGG 001, PYGG 002 and PYGG 003

The research project consists of a 10,000-15,000 words report, possibly combining theory with practice. It should be written in English and undertaken upon the completion of all the course requirements. Using their critical thinking and research skills, students should identify issues related to their field of studies or specialization that require further investigation and assessment. They will work with individual supervisors, assigned according to the field of specialization, to produce a research project that conforms to a high international academic standard and to professional standards in the chosen field.

PYGH 001: Advanced Arabic Writing (3-0-3) — Prerequisite(s): None

This course helps students to practice understanding of various types of Arabic text; learning to analyze them so as to write well in Arabic, thus developing translation skills for Arabic-English-Arabic translations.

PYGH 002: Approaches to Translation and Interpreting (3-0-3) — Prerequisite(s): None

This course helps students understand and apply the main concepts in translation and interpreting theory and practice, making them aware of the important involvement of other disciplines: sociolinguistics, psycholinguistics, pragmatics, stylistics, and discourse analysis.

PYGH 003: Arabic Discourse Analysis (3-0-3) — Prerequisite(s): None

This course looks at the interpretation of meaning, in Arabic, situated beyond the level of the sentence, in order to achieve a better understanding of how language works as a communication medium.

PYGH 004: Introduction to Consecutive and Simultaneous Interpreting (3-0-3) Prerequisite(s): None

This course introduces students to techniques in speech analysis, oral summarizing and reformulation plus a range of note-taking techniques. It provides basic AR-EN-AR training in interpreting, consecutively and simultaneously.

PYGH 005: English Structures and Functions (3-0-3) Prerequisite(s): None

This course ensures students have full comprehension of English, as they need to have an excellent command of the language if they are to undertake translation studies.

PYGH 006: Liaison Interpreting (3-0-3) Prerequisite(s): None

This course develops the skills needed for students to play the role of liaison interpreter. Focus is on specific areas of community interpreting (doctor-patient, court, official, etc.).

PYGH 007: Linguistics Applied to Translation (3-0-3) Prerequisite(s): None

This course fills gaps in the students' knowledge and skills regarding English terminology in the field, as well as introducing those subfields of applied linguistics that are particularly relevant to translation. Recent 21st-century directions taken by applied linguistics will also be explained.

PYGH 008: Phonetics and Phonology for Translators (4-0-4) Prerequisite(s): None

This elective course prepares graduates for further study in English at master's level. It is intended to fill any gaps in the students' knowledge and skills regarding the various spoken forms of English.

PYGH 009: Standard Spoken Arabic and Public Speaking (4-0-4) Prerequisite(s): None

This course makes students aware of the phonology of standard spoken Arabic as well as the phonetic rules of Arabic (in comparison to English), in order to help them become good public speakers as well as competent interpreters.

PYGH 010: Style and Syntax in Arabic (3-0-3) Prerequisite(s): None

This course helps students understand contemporary Arabic texts in terms of lexical choices, syntactic constructions and textual structures, while they learn consistent patterns of stylistic change.

PYGS 001: Conceptual and Historical Issues in Psychology (3-0-3) Prerequisite(s): None

This course broadens and deepens the students' understanding of major conceptual and historical issues in psychology.

PYGS 002: Fundamental Concepts of Social Psychology (3-0-3) Prerequisite(s): None

This course sets a solid foundation in both concepts and terminology before students embark on master's studies.

PYGS 003: Key Issues and Controversies in Psychology (3-0-3) Prerequisite(s): None

This course provides students with an overview of the main ideas and approaches in psychology, including ethics and recent research discoveries. For students who completed a Bachelor of Science in Psychology but did not study in English, it will also provide a broad, solid foundation in English terminology.

PYGS 004: Learning and Human Development (3-0-3) Prerequisite(s): None

This course bridges gaps in the students' knowledge and understanding, particularly in regards to technical terms and schools of thought.

PYGS 005: Philosophy of Psychology (3-0-3) Prerequisite(s): None

This course provides students with a broad introduction to the subject, nevertheless covering precise concepts (and their terminology), which will be vital at MSc level.

PYGS 006: The Brain and Behavior (4-0-4) Prerequisite(s): None

This course introduces students in greater depth to how human behavior is linked to brain functioning. Students will learn how we perceive the world, how we learn and think, how our emotions and motives influence our behavior, and how we can study the brain using modern brain-imaging techniques and scientific experiments.

كلية عفت للعلوم الإنسانية
Effat College of Humanities

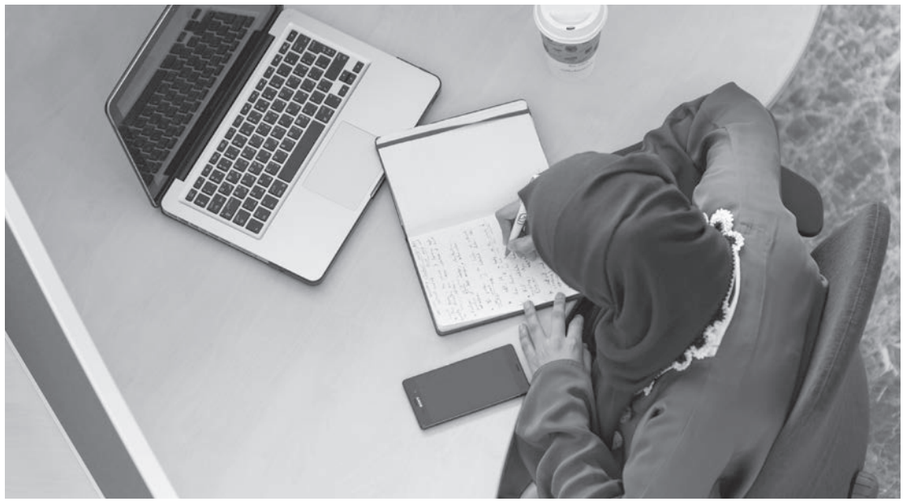
VISION

Effat College of Humanities aspires to be recognized as a center of excellence in providing globally conscious, civically engaged, innovative education and research grounded in the Liberal Arts.

MISSION

Effat College of Humanities is a center for innovative Liberal Arts education, research and community engagement. The College graduates locally and globally conscious, visionary ambassadors who uphold the values of equity, diversity and good citizenship.

Master of Science in Translation and Interpreting



Program description

The English and Translation Department in Effat College of Humanities at Effat University offers a graduate program leading to a Master degree in Translation and Interpreting (MTI). The Master program in Translation and Interpreting is one of the few Master degree programs in KSA. It combines training in translation and interpretation. It admits qualified graduates of translation studies programs, as well as students from other humanities and social sciences backgrounds.

The MTI Program fills a current need for competent translators and interpreters in Saudi Arabia and the region. It will significantly contribute to the growth of the translation industry. The program is benchmarked against similar programs offered regionally and internationally.

Educational objectives

The Graduates of the MTI Program will be able to demonstrate:

- Advanced levels of theoretical and practical skills for a career/research in translation and interpreting;
- Expertise in using relevant and cutting-edge technology for translation and interpreting;
- Advanced semantic and pragmatic knowledge of English and Arabic in various translation and interpreting fields;
- The necessary theoretical tools to identify, analyze and solve problems encountered in translation and interpreting, and assist them in developing their own models of translation and interpreting;
- Professional levels of translation and interpreting between languages;
- The abilities to conduct advanced research projects and studies in translation and interpreting;
- Leadership skills, intercultural understanding, professional and research ethics.
- Strategic planning in translation and interpreting services as well as critical and creative thinking in finding solutions for complex challenges.

Learning outcomes

I. Knowledge and Understanding

- Translate and interpret different written and spoken text types in the fields of commerce, medicine, law, science, technology, defence, literature, media,
- Develop methods and analytical approaches to produce research that contributes to extending knowledge in translation and interpreting;
- Acquire the concepts and practices involved in translation and interpreting between languages.

II. Skills

- Find strategic solutions to translation and interpreting problems
- Develop hand and brain coordination as well as breathing and voice control for professional interpreting
- Apply core strategies and skills in advanced translation and interpreting, including quality assessment and handling various text typologies;
- Critically assess student's own translations and interpretations and those of their peers
- Review different translations and interpretations selecting the most appropriate
- Integrate a range of knowledge, skills and strategic planning to develop innovative research projects in the fields of translation and interpreting.
- Strategically communicate ideas and conclusions through the creative use of digital content
- Creatively utilize information technology to facilitate complex tasks in translation and interpreting

III. Values

- **Take informed and ethical decisions in translation and interpreting**
- **Demonstrate cultural awareness, responsibility, independence and leadership skills**

Career opportunities

Below are some of the potential career opportunities for graduates of the MTI program:

- Translators and interpreters in public and private institutions (e.g. banks, hospitals, courts, embassies, consulates, educational institutions) and other similar national and international organizations.
- Translators and interpreters in the field of media and journalism.
- Freelance translators in various sectors such as the educational, business, medical, scientific, legal, religious and political sectors.
- Translators and interpreters in translation and interpreting agencies that offer translation and interpreting services in national and international conferences, symposiums, workshops and other types of gatherings.
- Faculty members and project managers who can train students in applied translation and interpreting skills while conducting research work in the field of Translation and Interpreting.
  while conducting research work in the field of translation and interpreting.
- Translators and interpreters at international organizations.
- Literary Translators.

Graduation requirements

To fulfil graduation requirements, students have to complete 47 credit hours to earn a degree in the Master of Science in Translation and Interpreting. The hours are distributed as indicated in the tables below.

CORE REQUIREMENTS: 26 CREDIT HOURS

Students are required to take 26 credits of core requirements, which corresponds to the list of courses below.

Dept. or Section Prefix and Course Number	Course Title	Credits (Lecture-Practical-Total)	Prerequisites
MTIG 501	Introduction to Translation Theories	3-0-3	None
MTIG 502	Arabic Structure and Grammar	3-0-3	None
MTIG 503	Fundamentals of Semantics and Pragmatics	3-0-3	None
MTIG 504	Research Methodology in Translation Studies	3-0-3	MTIG 501
MTIP 506	Practicum	0-0-2	Program Approval
MTII 551	Introduction to Interpreting	3-0-3	None
MTIT 560	Thesis	0-0-9	MTIG 504

- The Practicum (MTIP 506) will be waived for students working in the fields of Translation and Interpreting.

TECHNICAL CORE REQUIREMENTS: 15 CREDIT HOURS

Students are required to take 15 credits of technical core courses.

Dept. or Section Prefix and Course Number	Course Title	Credits (Lecture-Practical-Total)	Prerequisites
MTIS 521	Medical Translation	3-0-3	MTIG 501
MTIH 532	Legal Translation	3-0-3	MTIG 501
MTIM 541	Web and Multimedia Translation	3-0-3	MTIG 501
MTII 552	Consecutive Interpreting	3-0-3	MTII 551
MTII 553	Conference Interpreting	3-0-3	MTII 551

Technical elective courses

Students are required to take 6 credits of technical electives. The technical electives fall under two different sets. Students can choose the courses from only one of these sets: The first set includes the following courses:

Dept. or Section Prefix and Course Number	Course Title	Credits (Lecture-Practical-Total)	Prerequisites
MTIG 505	Computer Applications in Translation	3-0-3	MTIG 501
MTIC 511	Translation in the Field of Commerce	3-0-3	MTIG 501
MTIH 531	Translation for International Organizations	3-0-3	MTIG 501
MTIH 533	Literary Translation	3-0-3	MTIG 501
MTIM 542	Subtitling and Dubbing	3-0-3	MTIG 501
MTII 554	Community Interpreting	3-0-3	MTII 551

The second set includes two courses (6 credits) in French interpreting for students who have French as a third language and would like to gain professional interpreting skills from French to English and vice versa. Students opting for these courses must pass the French Placement Test.

Dept. or Section Prefix and Course Number	Course Title	Credits (Lecture-Practical-Total)	Prerequisites
MTIF 507	Essential French Interpreting	3-0-3	Program Approval
MTIF 508	Advanced French Interpreting	3-0-3	MTIF 507

PROPOSED ACADEMIC PLAN FOR MTI

Semester 1

Course No.	Course Title	Credits	Prerequisite
MTIG 501	Introduction to Translation Theories	3	None
MTIG 502	Arabic Structure and Grammar	3	None
MTIG 503	Fundamentals of Semantics and Pragmatics	3	None
MTII 551	Introduction to Interpreting	3	None
TOTAL		**12**	

Semester 2

Course No.	Course Title	Credits	Prerequisite
MTIM 541	Web and Multimedia Translation	3	None
MTII 552	Consecutive Interpreting	3	MTII 551
MTIH 532	Fundamentals of Semantics and Pragmatics	3	MTIG 501
MTIP 506	Practicum	2	Department Approval
	Technical Elective 1	3	
TOTAL		**12/14**	

Semester 3

Course No.	Course Title	Credits	Prerequisite
MTIG 504	Research Methodology in Translation Studies	3	MTIG 501
MTIS 521	Medical Translation	3	MTIG 501
MTII 553	Conference Interpreting	3	MTII 551
	Technical Elective 2	3	
TOTAL		**12**	

Semester 4

Course No.	Course Title	Credits	Prerequisite
MTIT 560	Thesis	9	MTIG 504
TOTAL		**9**	

Summary of courses

Dept. or Section Prefix and Course Number	Course title	Credits	Prerequisite(s)
MTIG 501	Translation in the Field of Commerce	3-0-3	MTSH 531
MTIG 502	Contrastive Text Analysis in Translation	3-0-3	None
MTIG 503	Translation for International Organizations	3-0-3	None
MTIG 504	Research Methodology in Translation Studies	3-0-3	None
MTIG 505	Thesis	0-0-9	None
MTIP 506	Fundamentals of Semantics and Pragmatics	3-0-3	MTSG 503
MTIF 507	Medical Translation	3-0-3	None
MTIF 508	Legal Translation	3-0-3	MTSI 551
MTIC 511	Principles and Ethics of Interpreting	3-0-3	MTSG 503
MTIS 521	Computer-Assisted Translation	3-0-3	None
MTIH 531	Technical and Scientific Translation	3-0-3	MTSI 551
MTIH 532	Web and Multimedia Translation	3-0-3	MTSG 503
MTIH 533	Literary Translation	3-0-3	None
MTIM 541	Subtitling and Dubbing	3-0-3	MTSI 551
MTIM 542	Community Interpreting	3-0-3	MTSI 551
MTII 551	Conference Interpreting	3-0-3	3-0-3
MTII 552	Technical and Scientific Translation	3-0-3	MTSI 551
MTII 553	Web and Multimedia Translation	3-0-3	MTSG 503
MTII 554	Literary Translation	3-0-3	None
MTIT 560	Subtitling and Dubbing	3-0-3	MTSI 551

Course descriptions

MTIG 501: Introduction to Translation Theories (3-0-3) Prerequisite(s): None

This course aims to provide background knowledge in Translation Studies. It will introduce students to the main concepts and theories of translation from the 20th and 21st centuries. The course will also assist students in making the connection between translation theories and practice. Students will gain research knowledge in the applications of these theories through contrasting and comparing finished translations.

MTIG 502: Arabic Structure and Grammar (3-0-3) Prerequisite(s): None

This course is a practical course, which aims at improving students' cognitive and linguistic skills in Arabic writing and speaking. These skills will enhance students' output in interpreting and translation from English into Arabic. The course will mainly focus on students' recurrent errors in writing and speaking. It will help students gain knowledge of modern standard Arabic used mainly in newspapers, media and multimedia platforms.

MTIG 503: Fundamentals of Semantics and Pragmatics (3-0-3) Prerequisite(s): None

Students are provided with new linguistic tools and taught, in a hands-on way, how to use them. These tools perform a different analysis of language, one that is new to the students, which takes them to other levels and dimensions of meaning. Going beyond one-dimensional meanings is vital for a Translator/Interpreter. Semantics is still, occasionally, about "just dictionary definitions;" however, we also learn about Interpersonal Semantics and Intercultural Semantics. The Pragmatics we use to analyze (not just text but also film/speech) is 21st century; it thus embraces current Semiotics, the perfect tool for rolling back the layers of our lexico-visual-digital environment. Course materials and set readings are updated each semester, to take in new developments. Students emerge from this highly interactive, seminar-based course passionate about analysing language, everywhere.

MTIG 504: Research Methodology in Translation Studies (3-0-3) Prerequisite(s): MTIG 501

This course will familiarize students with academic writing conventions and translation research methodology at the graduate level. Various qualitative and quantitative research methodologies within Translation Studies will be outlined. By the end of this course, students are expected to write a thesis proposal and will be prepared to write graduate level research papers and their Master's thesis.

MTIG 505: Computer Applications in Translation (3-0-3) Prerequisite(s): MTIG 501

This course introduces students to the growing importance of computer applications in translation and highlights its advantages - and shortcomings - in comparison with human translation. The ultimate purpose of the course is to enhance students' technological skills, help them increase productivity and organize their work more efficiently. Students will also learn the tremendous value of translation memory applications and how they not only save the user time and money, but also reduce the oftentimes tedious and repetitive tasks associated with translation.

MTIP 506: Practicum (0-0-2) Prerequisite(s):Program Approval

This course provides the opportunity for a practical hands-on experience in translation and/or interpreting for students who have no practical experience in the fields of translation and interpreting. Students can do either a translation practicum or an interpreting practicum. In the translation practicum, the students are expected to translate a twenty thousand-word project in total (five thousand- word project from Arabic into English and fifteen thousand-word project from English into Arabic. In the interpreting practicum, the students are expected to interpret at a conference for at least four hours. Students are advised to output four 15-minute clips from English into Arabic and vice versa.in the interpreting lab.

MTIF 507: Essential French Interpreting (3-0-3) Prerequisite(s): Program Approval

Taught as far as possible in French, this course polishes students' French communication skills and adds two varieties of specialized French. Students learn the essentials of French-English interpreting, including how to prepare and anticipate. Politico-cultural backgrounds of the francophone world are embedded in the dynamic learning materials. By the end of this course, students will be able to sight-interpret general and specialized French texts into English (200 words). Using their personal note-taking strategy, they should also be able to consecutively interpret French monologues (eg. news items) into English.

MTIF 508: Advanced French Interpreting (3-0-3) Prerequisite(s): MTIF 507

In this course, taught fully in French, students will learn to understand more complex spoken French as well as recognize its discourse cues. Additional varieties of specialized French will be introduced, from a choice of: scientific & technical; legal & political; commerce/business; health-care & community; tourism & hospitality. By the end of this course, students will be able to consecutively interpret a spoken dialogue from French into English. They should be able to write English subtitles to spoken French, for a film or documentary. They should also be able to manage short sessions of French-to-English conference interpreting.

MTIC 511: Translation in the field of Commerce (3-0-3) Prerequisite(s): MTIG 501

This course is designed specifically to equip graduate students and professionals with the knowledge and skills necessary for starting, or advancing, a career in the Translation in the Field of Commerce sector. In this field, there is an increasing demand for qualified, culturally sensitive translators for commercial, financial, and marketing texts as well as documents related to shipping, insurance, and customs. The focus is on service learning and practical training at professional sites, leading to enhanced employability and improved performance for our graduates.

MTIS 521: Medical Translation (3-0-3) Prerequisite(s): MTIG 501

The course will extensively expose students to the translation and analysis of an array of texts representing a wide range of medical topics. It is designed specifically to equip graduate students and professionals with the knowledge and skills necessary for starting, or advancing, a career in translation in the medical sector, where there is increasing demand for qualified, culturally-sensitive translators. The focus is on service learning and practical training, undertaken either with specialized translation agencies or on actual medical sites such as clinics or hospitals. This in-depth practical training leads to enhanced employability and improved performance for our graduates.

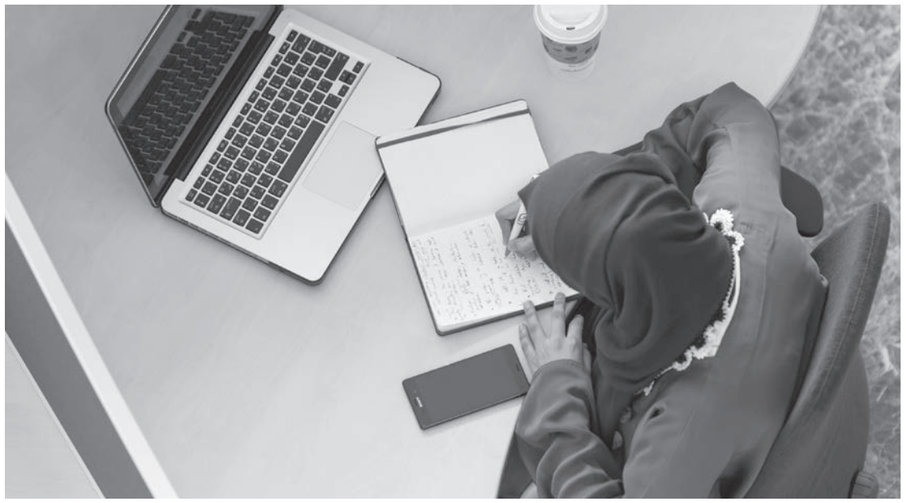
MTIH 531: Translation for International Organizations (3-0-3) Prerequisite(s): MTIG 501

This course is designed to provide students with the professional training required for pursuing a career as a translator in international organizations and similar bodies. Hands-on experience translating various official documents and multimedia source material is provided. Practice is given working on diverse text types issued by prominent international and intergovernmental organizations (UN, EU, WHO, OIC, etc.) as well as non-governmental bodies and non-profit entities. By the end of the course, students will be equipped with the knowledge, skills, confidence and professional ethics required for positions in any of the above organizations.

MTIH 532: Legal Translation (3-0-3) Prerequisite(s): MTIG 501

The Legal Translation course provides students with the knowledge and skills they need to translate legal texts from English to Arabic and vice versa. Teaching consists of lectures and tutorials. In the former, we will focus mainly on the legal text and its specific features of style. In the tutorials, we will explore and work with translation tools and translate a variety of legal texts such as contracts, conventions, treaties, correspondence, deeds, insurance policies and court decisions.

Master of Science in Clinical Psychology (MSCP)



Program description

Effat College of Humanities at Effat University offers a Master of Science in Clinical Psychology (MSCP) which will provide students with a research-led and practice-based education in the specialized field of clinical psychology. The Program will integrate rigorous on-campus coursework and off-campus internship to train students in the clinical assessment, case conceptualization, and evidence-based models of psychotherapy applicable to individuals, couples, families, and groups.

Educational objectives

- The educational objectives of the MSCP Program are to prepare:
- 1. Practitioners of clinical psychology who understand the scientific body of knowledge that is essential clinical practice.
- 2. Graduates proficient in research and evidence-based interventions that take into account intercultural and individual diversity and its complexity on clinical practice.
- 3. Practitioners of clinical psychology who demonstrate competency in core clinical skills, professional standards and ethics as well as the impact and importance of issues of cultural and individual diversity on clinical practice.
- 4. Practitioners of clinical psychology who demonstrate the knowledge and usage of emerging and expanding role of technology in mental health practice.
- 5. Graduates for both clinical psychology practice and further graduate studies.

Learning outcomes

I. Knowledge and Understanding

- Demonstrate knowledge and proficiency in core clinical skills essential for effective professional practice.

- Demonstrate knowledge of theories, principles, and concepts in Clinical Psychology

- Demonstrate an understanding of various research methodologies and data analysis techniques used in Clinical Psychology

II. Skills

- Strategically apply principles, theories and methods of Clinical psychology to address various mental health and psycho-social issues.

- Critically interpret various diagnostics, interventions, and therapies

- Integrate in-depth knowledge and skills to conduct research in Clinical Psychology.

- Use core clinical skills essential for effective professional practice in Clinical Psychology

- Communicate professionally with patients and clients and effectively in writing and presentations

- Use enhanced data analysis techniques to investigate and present solutions to various complex contexts specific to Clinical Psychology

- Strategically and effectively utilize emerging technology in mental health practice

III. Values

- Demonstrate respect for individual diversity and cultural difference in clinical practice, and competency in professional standards and ethics

- Show a strong commitment to personal health and well-being and professional development

- Demonstrate appropriate interpersonal, intrapersonal and team skills

Career opportunities

- **Clinical Psychologists**
- **Psychotherapists**
- **Child Psychologists**
- **Substance Abuse Counsellors**
- **Family / Marriage Therapists**
- **Clinical social workers**
- **Health psychologists**
- **Psychological Wellbeing Practitioner**

Graduation requirements

MSCP MAJOR REQUIREMENTS: 48 CREDIT HOURS

Table 1: Program Graduation Requirements

Major Requirements	Course Title	Credits
Program Requirements	Clinical Requirements	18
	Interventions Requirements	9
	Research Requirements	6
	Internship Requirement	6
	Thesis Requirements	6
	Technical Electives	3
TOTAL		**48**

CLINICAL REQUIREMENTS: 18 CREDIT HOURS

Students must complete 18 credits in clinical courses.

Table 2: Clinical Requirements

Dept. or Section Prefix and Course Number	Course Title	Credits	Prerequisites
MSCP 510	Diagnostics Skills & Clinical Interview	1-4-3	None
MSCP 511	Child & Adolescence Clinical Psychology & Assessment	2-2-3	None
MSCP 512	Clinical Neuro-psycho Pathology	2-2-3	None
MSCP 513	Adult Clinical Psychology & Assessments	1-4-3	None
MSCP 514	Psychopharmacology	2-2-3	None
MSCP 515	Digital Mental Health	2-2-3	None

INTERVENTIONS REQUIREMENTS: 9 CREDIT HOURS

Students must complete 9 credits in Interventions courses

Table 3: Interventions Requirements

Dept. or Section Prefix and Course Number	Course Title	Credits	Prerequisites
MSCP 520	Psychological Interventions-1	2-2-3	None
MSCP 521	Psychological Interventions-2	1-4-3	MSCP 520
MSCP 522	Training in Cognitive Behavioural Therapy (CBT)	1-4-3	MSCP 521

RESEARCH REQUIREMENTS: 6 CREDIT HOURS

Students must complete 6 credits in specialized research courses.

Table 4: Research Requirements

Dept. or Section Prefix and Course Number	Course Title	Credits	Prerequisites
MSCP 530	Advanced Research Methods in Clinical Psychology	2-2-3	None
MSCP 531	Enhanced Data Analysis	2-2-3	MSCP 530

INTERNSHIP REQUIREMENT: 6 CREDIT HOURS

Students must complete 6 credits in internship in clinical settings.

Table 5: Internship Requirements

Dept. or Section Prefix and Course Number	Course Title	Credits	Prerequisites
MSCP 540	Internship	0-0-6	Program Approval

THESIS REQUIREMENTS: 6 CREDIT HOURS

Students must complete 6 credits in a master's thesis.

Table 6: Thesis Requirements

Dept. or Section Prefix and Course Number	Course Title	Credits	Prerequisites
MSCP 550	Thesis	0-0-6	Program Approval

TECHNICAL ELECTIVES: 3 CREDIT HOURS

Students must select two courses (3 credit hours) from the following:

Dept. or Section Prefix and Course Number	Course Title	Credits	Prerequisites
MSCP 516	Clinical Health Psychology	2-2-3	None
MSCP 532	Evidence Based Practice	2-2-3	MSCP 530
MSCP 517	Ethics in Clinical Psychology	2-2-3	None
MSCP 518	Forensic Psychology	2-2-3	None

Summary of courses

Dept. or Section Prefix and Course Number	Course title	Credits	Prerequisite(s)
MSCP 510	Diagnostics Skills & Clinical Interview (P)	1-4-3	None
MSCP 511	Child & Adolescence Clinical Psychology & Assessment	2-2-3	None
MSCP 512	Clinical Neuro-psycho Pathology	2-2-3	None
MSCP 513	Adult Clinical Psychology & Assessments (Lab)	1-4-3	None
MSCP 514	Psychopharmacology	2-2-3	None
MSCP 515	Digital Mental Health	2-2-3	None
MSCP 516	Clinical Health Psychology	2-2-3	None
MSCP 517	Ethics in Clinical Psychology	2-2-3	None
MSCP 518	Forensic Psychology	2-2-3	None
MSCP 520	Psychological Interventions-1	2-2-3	None
MSCP 521	Psychological Interventions-2	1-4-3	MSCP 520
MSCP 522	Training in Cognitive Behavioural Therapy (CBT)	1-4-3	MSCP 521
MSCP 530	Advanced Research Methods in Clinical Psychology	2-2-3	None
MSCP 531	Enhanced Data Analysis	2-2-3	MSCP 530
MSCP 532	Evidence Based Practice	2-2-3	MSCP 530
MSCP 540	Internship	0-0-6	Program Approval
MSCP 550	Thesis	0-0-6	Program Approval

Study Plan

Term 1

Course No.	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College or Department
MSCP 510	Diagnostic Skills & Clinical Interview	Required	None	3	Program
MSCP 511	Child & Adolescence Clinical Psychology & Assessment	Required	None	3	Program
MSCP 520	Psychological Interventions-1	Required	None	3	Program
MSCP 530	Advanced Research Methods in Clinical Psychology	Required	None	3	Program

Term 2

Course No.	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College or Department
MSCP 531	Enhanced Data Analysis	Required	MSCP 530	3	Program
MSCP 521	Psychological Interventions-2	Required	MSCP 520	3	Program
MSCP 512	Clinical Neuropsycho Pathology	Required	None	3	Program
MSCP 513	Adult Clinical Psychology & Assessments (Lab)	Required	None	3	Program

Term 3

Course No.	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College or Department
	Technical Elective	Elective		3	Program
MSCP 522	Training in Cognitive Behavioural Therapy	Required	MSCP 521	3	Program
MSCP 514	Psychopharmacology	Required	None	3	Program
MSCP 515	Digital Mental Health	Required	None	3	Program

Term 4

Course No.	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College or Department
MSCP 540	Internship	Required	Program Approval	6	Program
MSCP 550	Thesis	Required	Program Approval	6	Program

Course descriptions

MSCP 510 Diagnostics Skills & Clinical Interview (P) (1-4-3) Prerequisite(s): None

This practical course covers a wide variety of methods used in diagnosis of mental and behavioural disorders, including observation, psychological assessment and clinical interviewing as well as a basic knowledge of neuroimaging techniques like magnetoencephalogram (MEG) and electroencephalogram (EEG). Students will ascertain difficulties and practicalities involved in diagnosis and assessment. Course aims to develop students' skill-sets to perform clinical assessment including history taking, clinical interviewing, cognitive assessment and mental status examination, as well as recognizing the signs and symptoms of medical conditions requiring collaboration with and referral to other mental health professionals like psychiatrists, social workers, etc.

MMSCP 511 Child & Adolescence Clinical Psychology & Assessment (2-2-3) Prerequisite(s): None

Psychological disorders of childhood and adolescence are examined in this course in terms of their clinical manifestations, aetiology, diagnosis, assessment, and management. As well as understanding how psychological disorders manifest at different developmental stages. Throughout the course, students will be exposed to evidence-based approaches for assessment and intervention for clinical disorders. The course will emphasize case-based learning throughout.

MSCP 512 Clinical Neuro-psycho Pathology (3-0-3) Prerequisite(s): None

Students will learn how knowledge of neuropsychological theory, functional neuroanatomy and technical approaches to studying the brain are employed within a clinical context. The course therefore provides an in-depth knowledge of a range of conditions commonly faced in clinical neuropsychology practice, including traumatic brain injury, movement disorders, epilepsy, stroke and dementia.

MSCP 513 Adult Clinical Psychology & Assessments (Lab) (1-4-3) Prerequisite(s): None

In this lab based course, students will develop a critical understanding of various theories of adult psychological problems, their etiology, and their management. A variety of clinical and neuropsychological assessments will also be covered. Students will also learn how to use diagnostic classification systems appropriately and critically evaluate them. There is a strong emphasis on linking theory to clinical practice in this course.

MSCP 514 Psychopharmacology (2-2-3) Prerequisite(s): None

This advanced level course focuses on the practical use of psychopharmacology for the treatment and management of mental disorders. The emphasis will be on educating and familiarizing students of clinical psychology to understand mechanisms of action of the major psychotropic drugs in order to work collaboratively with other health care professionals who prescribe medication.

MSCP 515 Digital Mental Health (2-2-3) Prerequisite(s):None

This course will focus on various tenacities for using technology in mental health and clinical practice, critically review available technology for the dissemination of consultation and therapies, explore the best practices and how the selected technologies can be applied equitably and safely in clinical psychology practice and the advancement of community mental health and psychological wellbeing. Various national and international legal and ethical issues will be discussed.

MSCP 516 Clinical Health Psychology (2-2-3) Prerequisite(s): None

In health psychology, the mind, body, and behavior are studied in relation to how they affect health and illness. Students will explore the theoretical, scientific, and applied aspects of health psychology in this advanced level course. Health-enhancing and health-compromising behaviors will be discussed, along with risk factors for leading causes of death, stress and coping, as well as how patients, their healthcare providers, and their healthcare settings interact. Additionally, psychological factors will be linked to issues such as pain and chronic illnesses, as well as diseases such as cancer, neurological disorders, and age-related illnesses. Personality, interpersonal relationships, and sociocultural influences will also be explored in relation to risk, prevention, illness, and wellness.

MSCP 517 Ethics in Clinical Psychology (2-2-3 Prerequisite(s): None

During this course, students will gain a deeper understanding of ethical principles in clinical psychology. Students are expected to learn how national and international ethical standards are applied in Saudi Arabia and demonstrate awareness of potential ethical dilemmas across different contexts. Furthermore, they will gain a good understanding of their ethical obligations as professional clinical psychologists, and to demonstrate cultural sensitivity throughout their practice. This course will be delivered through case studies, role play, and team projects.

MSCP 518 Forensic Psychology (2-2-3) Prerequisite(s): None

Students will gain an advanced understanding of the field of forensic psychology in this postgraduate level course. They will learn how forensic psychology deals with law enforcement, legal practice, policy, public opinion, and the media in a culturally appropriate way. Taking a case-based approach, students will examine real life criminal cases where they will learn about a broad range of topics relevant to forensic psychology. Such cases include child abuse, eyewitness memory, child custody, pleas and sentencing. Rights and responsibilities of mental health providers; legal versus ethical practice.

MSCP 520 Psychological Interventions-1 (2-2-3) Prerequisite(s): None

In this course students are introduced to the fundamental principles and techniques of interventions within clinical psychology that are designed to address psychological issues, enable change, and promote wellbeing. The course focusses on critical analysis of the strengths and limitations of various psychological interventions. It will also focus on the promoting the cultural diversity and inclusiveness in clinical practice.

MSCP 521 Psychological Interventions-2 (1-4-3) Prerequisite(s): MSCP 520

Building on the knowledge gained in PI-1, this practical course focuses on the application of theoretical concepts to clinical problems using varied psychological interventions like Cognitive Behavior Therapy (CBT), Cognitive Analytic Therapy (CAT), Dialectical Behavior Therapy (DBT), and Systemic Therapy, as well as other well established therapeutic approaches. Course will also focus on the importance of cultural diversity and inclusiveness in clinical practice.

MSCP 522 Training in Cognitive Behavioural Therapy -1 (1-4-3) Prerequisite(s): MSCP 521

Focused on the intensive practical learning of applying traditional CBT to a host of psychological disorders, the course will provide a solid foundation for the practice of cognitive behavioral therapy (CBT). Additionally, the course will give fresh insights into 21st-century CBT and interventional techniques like dialectical behavior therapy, mindfulness-based cognitive therapy, and other cutting-edge evidence-based treatment techniques like Recovery-oriented cognitive therapy (CT-R).

MSCP 530 Advanced Research Methods in Clinical Psychology(2-2-3) Prerequisite(s): None

The first of the core research requirements, this advanced research method course focuses on the conceptual knowledge and critical skills necessary to understand, conduct, and evaluate research in clinical psychology. This course also covers ethical issues in psychological research.

MSCP 531 Enhanced Data Analysis (2-2-3) Prerequisite(s): MSCP 530

This course covers advanced statistical analyses which explores bivariate, multivariate, and structural statistical analysis using SPSS. In addition, this course will use enhanced data analysis techniques to investigate and present solutions to various complex contexts specific to Clinical Psychology. There will be a focus on statistical skills and methods required for the analysis of different types of data required for conducting a Master-level research thesis. This course will be delivered through laboratory sessions and research projects.

MSCP 532 Evidence Based Practice in Clinical Psychology (2-2-3) Prerequisite(s): MSCP 530

This advanced course will train students to critically evaluate the existing research on treatment approaches and interventions for major mental health conditions. Students will learn to build on the extensive evidence based information to integrate it into practice in the context of patient characteristics, culture and preference in various clinical settings.

MSCP 540 Internship (0-0-6) Prerequisite(s): Program Approval

This course will provide students the opportunity to apply clinical skills in a relevant workplace setting in selected therapy clinics and hospitals. Students will actively participate in clinical work under the supervision of a licensed psychologist and will be encouraged through exposure to a broad range of interventions and treatment settings. Students are required to do a minimum of 300 hrs. of supervised internship.

MSCP 550 Thesis (0-0-6)) Prerequisite(s): Program Approval

Under the supervision of an academic advisor, students are required to produce an independent research project in the field of clinical psychology. It is designed to teach students how to formulate research questions and hypotheses, plan a study, collect data, analyse and evaluate data, and write results in a format that is publishable. The thesis should be a product of intensive research and prepared in accordance with the highest academic and scientific standards.

Joint Master of Arts in Museum Studies

Program description

The Joint Master of Arts in Museum Studies is a program offered by The School of Oriental and African Studies (SOAS) at the University of London and Effat University.

The Program aims to prepare its graduates for careers in museums. The graduates of the program understand the roles of museums, can assess the theoretical and methodological approaches to the museum environment, can take the role of curators and can communicate and engage with diverse museum audiences. These graduates will assist the Kingdom of Saudi Arabia in achieving its mission to protect and promote the heritage of Saudi Arabia; and its vision to establish museums as centers for cultural and social engagement for citizens, residents and visitors.

Educational objectives

The educational objectives of the Master of Arts in Museum Studies Program are to:

- Demonstrate critical awareness of the local and global role of museums
- Assess theoretical and methodological approaches to the museum environment
- Evaluate the role of the museum curator
- Reflect on how to engage museum audiences

Learning outcomes

I. Knowledge and Understanding

- Demonstrate understanding of foundation skills in Museum Studies
- Demonstrate in depth knowledge of key concepts in Museum Studies
- Demonstrate a critical engagement with scholarship on museology and ability to write an exhibition proposal

II. Skills

- Assess the theoretical and practical frameworks in various complex museum contexts
- Critically evaluate current curatorial practices in various complex contexts
- Create innovative curatorial approaches through the application of principles of research design and the selection of appropriate methodology
- Communicate effectively with diverse museum audiences using curatorial narratives to assess their effectiveness
- Use specialized digital applications to reflect and analyse how museums are responding to the digital age

III. Values

- Collaborate to plan, develop, implement and meet objectives and criteria

Career opportunities

- Curator at a museum
- Collections manager
- Records Manager
- Museum or Gallery Manager
- Tour Guide
- Archivist
- Engagement Manager
- Researcher in Museum Studies

Graduation requirements

JOINT MASETR OF ARTS IN MUSEUM STUDIES REQUIREMENTS: 30 CREDIT HOURS

SEMESTER 1: 9 CREDIT HOURS

To fulfil the requirements of semester 1, students are required to complete the following courses:

Dept. or Section Prefix and Course Number	Course Title	Credits	Prerequisites
MUS 501	Analysing and Exploring the Museum	(3-0-3)	None
MUS 502	Core Principles of Curation	(5-1-6)	None
Total		**9**	

SEMESTER 2: 9 CREDIT HOURS

To fulfil the requirements of semester 2, students are required to complete the following courses:

Dept. or Section Prefix and Course Number	Course Title	Credits	Prerequisites
MUS 511	Museum Collections in Practice	(2-1-3)	None
MUS 512	Engagement, Audiences and Access	(2-1-3)	None
MUS 513	Curation in a Digital Age	(2-1-3)	None
Total		**9**	

SEMESTER 3: 6 CREDIT HOURS

To fulfil the requirements of semester 3, students are required to complete the following course:

Dept. or Section Prefix and Course Number	Course Title	Credits	Prerequisites
MUS 521	Independent Study Project in Museum Studies	(2-8-6)	None
Total		**6**	

SEMESTER 4: 6 CREDIT HOURS

To fulfil the requirements of semester 4, students are required to complete the following course:

Dept. or Section Prefix and Course Number	Course Title	Credits	Prerequisites
MUS 530	Dissertation in Museum Studies	(1-10-6)	None
Total		**6**	

Study Plan

Semester 1: Levels 1

Course No.	Course Title	LEC	PRAC	CR	Total CONTACT HRS	Prerequisites
MUS 501	Analyzing and Exploring the Museum	3	0	3	45	None
MUS 502	Core Principles of Curation	5	1	6	90	None
Total Credit Hours		**8**	**1**	**9**	**135**	

Semester 1: Levels 2

Course No.	Course Title	LEC	PRAC	CR	Total CONTACT HRS	Prerequisites
MUS 511	Museum Collections in Practice	2	1	3	45	None
MUS 512	Engagement, Audiences and Access	2	1	3	45	None
MUS 513	Curation in a Digital Age	2	1	3	45	None
Total Credit Hours		**6**	**3**	**9**	**135**	

Semester 2: Levels 3

Course No.	Course Title	LEC	PRAC	CR	Total CONTACT HRS	Prerequisites
MUS 521	Independent Study Project in Museum Studies	2	8	6	150	None
Total Credit Hours		**2**	**8**	**6**	**150**	

Semester 2: Levels 4

Course No.	Course Title	LEC	PRAC	CR	Total CONTACT HRS	Prerequisites
MUS 530	Dissertation in Museum studies	1	10	6	165	None
Total Credit Hours		**1**	**10**	**6**	**165**	
Total credit hours required for Master of Arts in Museum Studies					**30**	
Total Contact hours for Master of Arts in Museum Studies:					**585**	
Total hours for Master of Arts in Museum Studies including Independent Study:					**1800**	

Summary Table Of Joint Ma In Museum Studies Courses

Dept. or Section Prefix and Course Number	Course title	Credits	Prerequisite(s)
MUS 501	Analysing and Exploring the Museum	(3-0-3)	None
MUS 502	Core Principles of Curation	(5-1-6)	None
MUS 511	Museum Collections in Practice	(2-1-3)	None
MUS 512	Engagement, Audiences and Access	(2-1-3)	None
MUS 513	Curation in a Digital Age	(2-1-3)	None
MUS 521	Independent Study Project in Museum Studies	(2-8-6)	None
MUS 530	Dissertation in Museum Studies	(1-10-6)	None

Course descriptions

MUS 501 Analysing and Exploring the Museum (3-0-3) Prerequisite(s): None

This module, “Analysing and Exploring the Museum,” is designed to provide students with foundational study skills and vocational insights in the context of museum studies. Through focused case studies, students will develop essential academic skills while also exploring their practical applications within the field of museum studies, including curation, interpretation, conservation, collection management, exhibition project management, and learning and audience engagement. Taught by the program convenor, this module is tailored to the specific needs of students enrolled in the PG Dip in Museum Studies. The module will be delivered in Saudi Arabia in the student’s first term, providing them with a solid foundation to ensure their progression in the programme.

MUS 502 Core Principles of Curation (5-1-6) Prerequisite(s): None

This module introduces students to the foundations of curatorial work and covers a range of theoretical, practical and applied skills. Students will learn best practices for the cataloguing, care, and curation of museum collections, including critical issues of international museum standards, risk management, and collection management systems, via a combination of immersive lectures and seminars delivered by leading museum practitioners and scholars, and focused exercises exploring specific case studies. To enrich the learning experience, this module is further supported by professionally curated video content produced in collaboration with SOAS and museum professionals from the UK and other regions. The videos will centre on permanent and temporary displays they curate, research and care for.

The module is taught by the program convenor and tailored to the specific needs of students enrolled in the PG Dip in Museum Studies. It will be delivered in Saudi Arabia in the student’s first term, providing them with a solid foundation in core principles of curation.

MUS 511 Museum Collections in Practice (2-1-3) Prerequisite(s): None

This module enables students to reflect on the formation of the museum’s collections, the various ways they can be activated and used, and the requirements for their care. This theoretical foundation is supported by a rigorous, practical foundation in the requirements of museum work, with an emphasis on curatorial roles, collection care and management, and the organisation of museum displays. Also included are considerations of museum standards, accessioning and deaccessioning, documentation and collection management systems, as well as disaster planning, risk management and significance assessments.

Through a mix of theoretical lectures, reflective seminars, and practical hands-on experience this module provides a rigorous foundation for those who wish to understand how museums operate, and who wish to pursue professional opportunities in this sector.

The module is taught face-to-face in London over 4 weeks by the module convenor, supported by guest speakers from the culture sector. Fieldtrips, supported by GTAs, are built into the schedule.

The students work on the assessments during and after the four weeks in London, supported by the module convenor and peers. A group presentation (OR, 30%) in week 4 is the students’ first summative assessment across the 3 modules students take in London. The assessment aligns with the LOs of the module as students must develop an exhibition proposal on a theme of their choosing. The proposal is presented to a mock panel consisting of peers, the module convenor and at least one external with experience in the museum sector. The students receive feedback on the assessment the following week and draw on this when developing their 1,500 word essay (AS1, 70%). The essay is a critical discussion of the exhibition proposal that references theoretical approaches to museum displays.

MUS 512 Engagement, Audiences and Access (2-1-3) Prerequisite(s): None

This module is designed to provide students with advanced knowledge and skills in understanding, engaging, and expanding museum audiences. In an era of rapidly evolving cultural institutions, this module equips students with the theoretical foundations and practical tools necessary to enhance the accessibility, relevance, and impact of museums in the 21st century. This module explores advanced topics in museum studies, focusing on audience engagement and accessibility. Students delve into audience analysis, segmentation, and visitor studies to gain insights into visitor motivations and preferences. They learn storytelling techniques for creating engaging exhibitions and programs, ensuring the representation of diverse perspectives.

The module is taught face-to-face in London over 4 weeks by the module convenor, supported by guest speakers from the culture sector. Fieldtrips, supported by GTAs, are built into the schedule.

Students will visit a range of museum and gallery spaces in London to develop first-hand experience of interpretation in practice, reflecting on the specific needs of distinct audiences in discrete spaces and institutional contexts.

Formative and summative assessments enable the students to apply the theoretical knowledge gained in practical contexts. This will enable them to develop the skills and expertise needed to engage diverse audiences effectively, make museums more accessible, and create meaningful cultural experiences. Students are required to submit a weekly illustrated diary of 500 words (formative assessment). In week 5, they submit a portfolio of their reflective diaries, summaries of student-led feedback and other material gathered from their field trips.

MUS 513 Curation in a Digital Age (2-1-3) Prerequisite(s): None

New technologies are reshaping the way we interact with museum collections, displays and spaces. Digital technologies have catalysed a dramatic reimagining of what a museum can be in the 21st century. This module explores how this dramatic moment of change is reshaping the museum sector today. With a range of theoretical and practical content, this module will give you experience and confidence to meet the digital challenges of museum work today and in the future.

The module is taught face-to-face in London over 4 weeks by the module convenor, supported by guest speakers from the culture sector. Field trips, supported by GTAs, are built into the schedule.

The field trips and on-campus lectures, seminars and tutorials enable students to critically explore different approaches to digital technology in museum spaces. Formative student-led discussions enable them to prepare for the summative poster presentation (OR, 40%) and support their development of an essay (AS1, 60%), which is submitted in Week 8

MUS 521 Independent Study Project in Museum Studies (2-8-6) Prerequisite(s): None

This module allows you to develop a focused project on a single topic in museum studies, consolidating the skills and approaches you have developed throughout your program by applying them to a single output. Your output can be an essay OR an exhibition proposal with object captions. You will attend several online and face-to-face workshops to select a topic, appraise appropriate sources, research and deliver your final output. This is an opportunity for you to pursue a singular, focused passion, communicating and consolidating your understanding and critical engagement with the content of the Postgraduate Diploma in Museum Studies programme.

MUS 530 Dissertation in Museum Studies (1-10-6) Prerequisite(s): None

IThis module allows students to develop a focused project on a single topic in museum studies, consolidating the skills and approaches they have developed throughout the PgDip In Museum Studies programme by applying them to a single output. The dissertation can be an essay on a topic or theme selected by the student OR an exhibition proposal with object captions. Students' learning journey will be enabled by face-to-face workshops taught by the module convenor in Saudi as well as online one-to-one supervisory meetings and online group sessions aimed at helping them select a topic, appraise appropriate sources, write and deliver the final output. The students will be encouraged to build on the research developed during the PgDip, including their ISPs, and to reflect on feedback from the convenor, peers and museum professionals. For example, if the student wishes to produce an exhibition proposal for the Dissertation, s/he can draw on the group-led exhibition proposal that was developed in the PgDip module Museum Collections in Practice (15credit).

Assessments include an annotated bibliography of 700 words (9%) and a dissertation of 9000 words (91%).

VISION

To be a world-class engineering college recognized for excellence in innovation, scientific discovery, research, and community engagement.

MISSION

Effat College of Engineering offers an innovative interdisciplinary and research driven environment. It prepares professionally competent and quality conscious graduates who effectively contribute to national and international development and technological advancement.

Master of Science in Energy Engineering

Program description

Saudi Arabia is an oil-based economy with one of the largest oil reservoirs in the world and ranks as the largest exporter of petroleum. The petroleum sector accounts for roughly 80% of budget revenues, 45% of GDP, and 90% of export earnings. Moreover, the statistical analysis through several financial international institutions for the country's economy and its sustainable future indicates a notable growth in oil and energy sectors including renewable energy, energy generation, and petrochemicals. Such growth will add value to upstream energy production and will satisfy the high in-demand market's needs.

The development of Saudi competitiveness in the industry requires the establishment of a strong technical educational program and professional training in various fields of energy that would increase the employment of Saudi youth, particularly, females. Furthermore, these energy professionals, scientists, and researchers based in Saudi Arabia would offer their outstanding potential necessary for the expected economic growth and the inevitable need for efficiently utilizing the energy resources.

At Effat University, we are continuously striving to bring new state-of-the-art academic programs to the institution to qualify and prepare women to become top leaders and dynamic professionals at international and national levels. As part of this overall effort, Effat University has developed a new Master's program in energy called "Master of Science in Energy Engineering". The program is designed to prepare the students to address challenges faced in different aspects of energy engineering. The graduate program follows an interdisciplinary approach in design, implementation, management, energy systems upgrading, comprising production transport and efficient utilization of energy. Social and economic aspects will be integrated into a scientific and technological perspective in order to enable future professionals to deal with the complexities of today's relationships between energy, economy, and environment.

The "Master of Science (ME) in Energy Engineering" program, the first of its kind in Saudi Arabia, will prepare students with the scientific and technical expertise to address the crucial issues of energy and sustainability. Offering such a program is not just achievable, but also serves the Kingdom's general mission and vision for the achievement of a sustainable economic development. The core and elective courses of the curriculum will build a solid foundation for leadership roles in this growing and challenging energy field. The partnership with local and international institutions and research centers allows us to incorporate practical industrial knowledge and credibility to the program.

Educational objectives

The Master of Science in Energy Engineering program prepares Saudis to meet the demand for engineers, scientists, and researchers in Saudi Arabia's booming energy sector. Through completion of fundamental courses in the chosen concentration and in related sciences, as well as through independent research, the program prepares graduates for professional work in the energy sector to design, select, implement, and use innovative technologies to operate effectively in a competitive and multi-disciplinary industrial context, characterized by significant environmental, regulatory, smart management, and safety constraints. In addition to equipping the students with the fundamentals, the Master of Science in Energy Engineering program helps them apply this knowledge to innovate, research and develop solutions to real-life problems in the field, and liaise with local industries and businesses to this effect.

The Master of Science in Energy Engineering program aims at producing graduates who, after a few years from graduation, will:

After completion, graduates will:

PEO1: Thoroughly understand energy-engineering theory, research and recent developments, including what the latter contribute to the field's store of knowledge.

PEO2: Be familiar with and able to use advanced, research-and-inquiry techniques that are applicable not only to energy engineering practice, but also to fundamental research

PEO3: Continue developing intellectually through active participation in technical and professional activities.

PEO4: Act in a professional and ethical manner in their chosen careers, while also communicating effectively as an individual or a team member.

ADMISSION REQUIREMENTS

- The program welcomes applicants who fulfill the following admission requirements:
- A Bachelor's Degree in engineering or science from a recognized institution with a major in the proposed field or evidence of suitable background for entering the Master of Science in Energy Engineering.
- Mathematics courses requirements: Linear Algebra, Numerical Methods, Partial Differential Equations in Engineering or equivalent.
- A GPA of 2.75 on a scale of 4.00 or 3.75 on a scale of 5 or equivalent.
- A minimum of 546 score in TOEFL or 6.0 score in IELTS or 169 in Linguaskills or equivalent.
- At least two letters of recommendation.
- A completed application form including a brief statement of purpose.
- An interview with the Graduate Studies Admissions Committee at Effat University.

Learning outcomes

The Master of Science in Energy Engineering program is designed for professionals who wish to develop a high-level understanding of the principles and practices of energy engineering and to strengthen their skills in this area. By the time of graduation, students should demonstrate the following program learning outcomes (PLOs):

Knowledge and Understanding

- Demonstrate thorough knowledge and critical understanding of the main areas of energy engineering, including principal concepts, principles and theories, and their current application.
- Demonstrate Awareness of the latest developments in energy engineering, including emerging issues, research techniques, and associated professional practice.
- Demonstrate the ability to develop and use advanced techniques of research and inquiry applicable to energy engineering, and the use of those techniques in carrying out a significant research or professional project.

Skills

- Acquire and apply new practical and theoretical knowledge as needed, using appropriate learning strategies.
- Diagnose recent issues to regulate provisions in the local and international environment that might affect the energy engineering field and knowledge of reasons for and future implications of those changes.
- Identify, formulate and solve complex energy engineering problems to propose new solutions to theoretical and practical problems by applying principles of engineering, science, and mathematics
- Apply engineering design to provide solutions by applying practical and theoretical knowledge, and research techniques with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- Communicate effectively with a range of audiences through reports, presentations, and publications
- Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions

Values

- Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- Function effectively on a team whose members together provide leadership, create a collaborative environment

Career opportunities

The career outlook for graduates in Energy Engineering is exceptionally bright, both in governmental and private institutions. Graduates can be employed in a wide range of industries such as engineering, manufacturing, private and public consulting firms as well as sectors in electricity and natural gas, petroleum, renewable energy and the environment, strategic analysis for the energy sector, risk management and business continuity, oil and gas economics, and in utilities and public boards that supply energy as electricity.

Career opportunities

Students who choose the master of science in energy engineering will be able to work productively in the following areas:

- Transmission system operator
- Power plant operator
- Wind turbine engineer
- Environmental engineer
- Industrial engineer
- Water treatment specialist
- Nuclear power reactor operator
- Completions engineers
- Drilling engineers
- Natural gas engineers
- Production engineers
- Reservoir engineers

PROGRAM GRADUATION REQUIREMENTS

To be able to graduate, students should complete the following:

1. A GPA ≥ 3.0/4.0

2. A total of 36 credit-hours distributed as follows:

- 30 credits hours of course requirements,
- 6 credit hours for Thesis.

3. There is a possibility of transferring credits from previous institutions subject to committee approval.

CREDIT HOURS DISTRIBUTION

Requirements	Master of Science in Energy Engineering
Course Requirements	21
Elective Courses	9
Thesis Requirements	6
TOTAL	36

PROGRAM DURATION

The program duration is two years and the number of credit hours required for graduation is 36.

COURSE REQUIREMENTS

The Master of Science in Energy Engineering Graduates apply engineering principles and technical skills to help support professionals engaged in the development of energy engineering technologies (solar, wind, hydro, geothermal and biofuels) for energy conversion, and formulate innovative engineering solutions to specific energy and power problems, using conventional and/or renewable energy resources.

CORE COURSE REQUIREMENTS: 21 CREDIT HOURS

Course no.	Course title	Credits	Prerequisite(s)
MSEE 500	Sustainable Energy Engineering	3-0-3	Graduate Standing
MSEE 501	Energy Storage and Conversion	3-0-3	MSEE 500
MSEE 510	Solar and Wind Energy Systems	2-2-3	Graduate Standing
MSEE 530	Introduction to Petroleum Engineering	2-2-3	MSEE 500
MSEE 531	Reservoir Engineering Fundamentals	2-2-3	MSEE 500
MSEE 532	Carbon Capture and Sequestration	3-0-3	MSEE 500
MSEE 540	Fluid Mechanics and Heat Transfer	2-2-3	Graduate Standing
Total		**21**	

THESIS REQUIREMENTS: 6 CREDITS HOURS

Course no.	Course title	Credits	Prerequisite(s)
MSEE 550	Research Seminar	0-1-0	Department Approval
MSEE 551	Thesis	0-0-6	Department Approval
Total		**6**	

ELECTIVE REQUIREMENTS: (CHOICE OF 9 CREDIT HOURS FROM THE TABLE BELOW)

Dept. or Section Prefix and Course Number	Course title	Credits (Lecture-Practical-Total)	Prerequisite(s)
Renewable Energy			
MSEE 511	Renewable Energy Integration	3-0-3	MSEE 500
MSEE 512	Data Analysis and Machine Learning for Energy Systems	3-0-3	MSEE 500
MSEE 513	Reaction Engineering	2-2-3	MSEE 500
Geothermal			
MSEE 541	Thermodynamics	3-0-3	MSEE 500
MSEE 542	Geothermal Energy	3-0-3	MSEE 540 & MSEE 541
MSEE 543	Applications in Heat and Mass Transfer	2-2-3	MSEE 500
Oil and Gas:			
MSEE 533	Principles of Well Testing and Evaluation	2-2-3	MSEE 500

Dept. or Section Prefix and Course Number	Course title	Credits (Lecture-Practical-Total)	Prerequisite(s)
MSEE 534	Petroleum Engineering Design	3-0-3	MSEE 500
MSEE 535	Fundamentals of Multiphase Flow	3-0-3	MSEE 500
Energy Economics			
MSEE 520	Energy Economics Policies and Environment	3-0-3	Graduate Standing

PROPOSED ACADEMIC PLAN

Semester 1

Course no.	Course title	Prerequisite(s)	Credits
MSEE 500	Sustainable Energy Engineering	Graduate Standing	3-0-3
MSEE 510	Solar and Wind Energy Systems	Graduate Standing	2-2-3
MSEE 540	Fluid Mechanics and Heat Transfer	Graduate Standing	2-2-3
TOTAL			**9**

Semester 2

Course no.	Course title	Prerequisite(s)	Credits
MSEE 501	Energy Storage and Conversion	MSEE 500	3-0-3
MSEE 530	Introduction to Petroleum Engineering	MSEE 500	2-2-3
MSEE 531	Reservoir Engineering Fundamentals	MSEE 540	2-2-3
MSEE 550	Research Seminar	Department Approval	0-1-0
TOTAL			**9**

Semester 3

Course no.	Course title	Prerequisite(s)	Credits
MSEE 532	Carbon Capture and Sequestration	MSEE 500	3-0-3
Choice	Elective I		3
Choice	Elective II		3
TOTAL			**9**

Semester 4

Course no.	Course title	Prerequisite(s)	Credits
MSEE 551	Thesis	MSEE 550	0-0-6
Choice	Elective III		3
TOTAL			**9**

Summary of courses

Course no.	Course title	Credits	Prerequisite(s)
MSEE 500	Sustainable Energy Engineering	3-0-3	Graduate Standing
MSEE 501	Energy Storage and Conversion	3-0-3	MSEE 500
MSEE 510	Solar and Wind Energy Systems	2-2-3	Graduate Standing
MSEE 511	Renewable Energy Integration	3-0-3	MSEE 500
MSEE 512	Data Analysis and Machine Learning for Energy Systems	3-0-3	MSEE 500
MSEE 513	Reaction Engineering	2-2-3	MSEE 500
MSEE 520	Energy Economics Policies and Environment	3-0-3	Graduate Standing
MSEE 530	Introduction to Petroleum Engineering	2-2-3	MSEE 500
MSEE 531	Reservoir Engineering Fundamentals	2-2-3	MSEE 500
MSEE 532	Carbon Capture and Sequestration	3-0-3	MSEE 500
MSEE 533	Principles of Well Testing and Evaluation	2-2-3	MSEE 500
MSEE 534	Petroleum Engineering Design	3-0-3	MSEE 500
MSEE 535	Fundamentals of Multiphase Flow	3-0-3	MSEE 500
MSEE 540	Fluid Mechanics and Heat Transfer	2-2-3	Graduate Standing
MSEE 541	Thermodynamics	3-0-3	MSEE 500
MSEE 542	Geothermal Energy	3-0-3	MSEE 540 & MSEE 541
MSEE 543	Applications in Heat and Mass Transfer	2-2-3	MSEE 500
MSEE 550	Research Seminar	0-1-0	Department Approval
MSEE 551	Thesis	0-0-6	Department Approval

Course descriptions

MSEE 500- Sustainable Energy Engineering (3-0-3) - Pre-requisite: Graduate Standing

This course offers students a comprehensive understanding of the principles and practices of sustainable energy engineering. Topics covered include fluid properties, energy conservation, thermodynamics, heat transfer, and power generation. The course will delve into the examination of various forms of energy including fossil fuels, nuclear energy, and renewable sources, as well as energy storage and grid integration. Hands-on learning opportunities through projects, lab experiments, guest lectures from industry experts, and research projects on current trends and challenges in sustainable energy engineering will be provided..

MMSEE 501- Energy Storage and Conversion (3-0-3) - Pre-requisite: MSEE 500

This course covers various energy storage technologies and their impacts on the environment and society. It delves into the principles of batteries and other electrochemical systems, various battery types and their applications, electrochemical energy conversion and storage, centralized and distributed energy storage, energy storage for renewable energy sources, the pros and cons of commercial and experimental energy storage systems, and the environmental and social effects of applied energy storage technologies.

MSEE 510- Solar and Wind Energy Systems: (2-2-3) – Pre-requisite: Graduate Standing

This course offers an in-depth understanding of solar and wind energy systems, including the latest developments in modeling, simulation, technology, and policy. Students will learn about concepts such as the physics of solar and wind power generation, measurements, the aerodynamics of wind turbines, hybrid systems, wind and solar farms, installation and operation, grid-connected systems, and economic implications. Hands-on experience is provided with advanced software such as RETScreen, Qblade, and PVsyst. Real-world case studies, mini projects, a final design project, guest lectures, opportunities for research projects, and publications are also included.

MSEE 511- Renewable Energy Integration (3-0-3)-Pre-requisite: MSEE 500

This course introduces various grid integration concepts related to renewable energy sources, including power generation, transmission, and distribution, as well as an application-oriented approach to the fundamentals of a smart grid system. Topics covered include smart metres, real-time pricing, load frequency control, load tracking of electric loads, renewable energy system control, and integration with electric power system This course covers various concepts related to integrating renewable energy sources into the power grid, including power generation, transmission, and distribution, as well as an applied approach to the basics of a smart grid system. Topics include smart meters, real-time pricing, load frequency control, tracking of electric loads, controlling renewable energy systems, and integrating them into power systems.

MSEE 512- Data Analysis and Machine Learning for Energy Systems (3-0-3)-Pre-requisite: MSEE 500

This course teaches the use of data science and machine learning methods to gain insights about energy systems. The course aims to provide an overview of data analysis tools and machine learning techniques for modeling and making predictions about energy systems, with a focus on real-world applications.

MSEE 513- Reaction Engineering (2-2-3) - Pre-requisite: MSEE 500

This course covers the principles of reaction engineering and reactor design. It aims to teach students how to use stoichiometry and rate laws to design chemical reactors that achieve the desired conversion of reactants. The course will discuss the design of different types of chemical reactors, as well as cover related topics in energy engineering, such as acidizing of formations and the use of gels for oil recovery, and nuclear reactions. Other subjects that will be covered include the design and optimization of reactor networks, heterogeneous reactors, catalytic systems, and fluidized beds, as well as safety considerations.

MSEE 520- Energy Economics Policies and Environment: (3-0-3) – Pre-requisite: Graduate Standing & Dept. approval

An overview of energy markets. Fundamental and applications of models for oil, gas, coal, Nuclear, electricity, and renewable energy resources markets. Models, modelling techniques, supply and demand, market structure, futures markets, environmental issues, energy policy, energy regulation, energy conservation, Introduction to data analysis, regression, economic forecasting, discussion of current articles and data sets.

MSEE 530- Introduction to Petroleum Engineering: (2-2-3) – Pre-requisite: MSEE 500

This course offers a comprehensive introduction to petroleum engineering, covering topics such as estimation of hydrocarbon reserves, exploration and production of oil and gas, with a particular emphasis on drilling and well operations, equipment, and systems. The course also covers well-testing methods and applications, enhanced oil recovery techniques, and reservoir simulation modeling. Additionally, the course will cover the processing and separation of crude oil.

MSEE 531- Reservoir Engineering Fundamentals (2-2-3) - Pre-requisite: MSEE 500

This course will help students gain a deeper understanding of the physics, chemistry, and flow of petroleum fluids in reservoirs. It will focus on the properties of reservoir rocks and fluids, and the interactions between the two. The course will also cover the fluid flow in hydrocarbon reservoirs, including the primary drive mechanisms and the development of material balance equations used to support the drive mechanism and reserve estimations. Additionally, the course will introduce the principles of water inflow and forecasting techniques for reservoir performance.

MSEE 532 - Carbon Capture and Sequestration (3-0-3) - Pre-requisite: MSEE 500

This course explores how carbon capture and sequestration technology can provide a long-term solution to protecting our atmosphere from excess carbon dioxide in the context of global energy supply, our use of fossil fuels, and climate change. Carbon capture prevent carbon dioxide emissions from entering the atmosphere and store them permanently and safely underground in depleted hydrocarbon reservoirs (Sequestration).
This course will be an overview of the technology and an explanation of the challenges faced in achieving zero CO2 emission. This course provides a description of available carbon capture technologies including post-combustion capture, oxyfuel combustion capture, and pre-combustion capture and their readiness levels. This course will also describe the benefits of geologic storage and mechanisms that trap CO2 underground (geologic sequestration, CO2 dissolution in water, residual and mineral sequestration).

MSEE 533 - Principles of Well Testing and Evaluation (2-2-3) - Pre-requisite: MSEE 500

The course introduces the student to theory and modern practices and applications of well testing. Derivation of diffusivity equation and its solutions for slightly compressible fluids within infinite- and finite-acting systems is included. The student is then introduced to the principles and techniques of well testing. Well test analysis from vertical and horizontal wells is used to determine well and reservoir parameters. Well test design and instrumentation are also discussed. This course further covers modern well logging techniques that are employed to derive petro-physical properties for hydrocarbon exploration and production.

MSEE 534 - Petroleum Engineering Design (3-0-3) - Pre-requisite: MSEE 500

This course addresses the front-end engineering design of new production facilities for potentially viable oil and gas fields. It covers various oil and gas processing systems, such as gas dehydration, condensate handling, acid gas removal, LPG extraction, and crude oil desalting. The course covers design tasks such as process simulation, flow diagram and piping preparation, cost estimates, and economic analysis.

MSEE 535 - Fundamentals of Multiphase Flow (3-0-3) Pre-requisite: MSEE 500

This course focuses on the fundamental characteristics of two-phase flows, primarily liquid-gas systems. The course includes mathematical modeling, transport characteristics, laws of conservation, both a mechanistic and energy approach, determination of viscous shear stress, slip at the wall, and surface tension.

MSEE 540 - Fluid Mechanics and Heat Transfer (2-2-3) Pre-requisite: Graduate Standing

This course presents an introduction to principal concepts and methods of fluid mechanics and heat transfer. The topics of first part include pressure, hydrostatics, and buoyancy, control volume analysis, mass and momentum conservation for fluids flow, viscous fluid flows, flow through pipes, dimensional analysis. Laboratory measurement of fluid pressure and velocity. The second part contains heat transfer by conduction/convection/radiation modes, heat energy equation with fluid mechanics equations with applications. Laboratory measurements of temperature and thermal conductivity for linear and radial heat conduction, heat transfer coefficient for free and forced convection.

MSEE 541 – Thermodynamics (3-0-3) Pre-requisite: MSEE 500

This course covers the fundamentals of thermodynamics including properties of substances, equations of state for ideal and real gases, various energy interactions on heat energy and mechanical work, mixtures and phase equilibrium, thermodynamics laws and cycles, internal energy, entropy, thermodynamics of hydrocarbon reservoirs, compressibility equation, Helmholtz energy, Gibbs free energy.

MSEE 542 – Geothermal Energy (3-0-3) Pre-requisite: MSEE 540 & MSEE 541

This course focuses on the technologies used in geothermal energy systems for power generation and thermal applications, such as heat pumps, steam cycles, flash, passive systems, and binary systems. The course covers the use of phase diagrams for system analysis and combines theory and practical aspects of geothermal energy installation. It also covers the political, economic, ecological, and social aspects of geothermal energy.

MSEE 543 - Applications in Heat and Mass Transfer (2-2-3) Pre-requisite: MSEE 500

This course covers various applications related to the principles of heat and mass transfer, including steady and transient heat conduction, convection, and radiation. It also covers phase change processes such as evaporation and condensation and their industrial applications. Additionally, the course will explore the use of numerical methods to solve problems in areas such as heat exchangers, power plants, electronic cooling, manufacturing processes, and environmental issues.

MSEE 550 - Research Seminar (0-1-0) Pre-requisite: Department Approval

This course is designed to provide students with an introduction to the research process and to expose them to the latest developments in their field of study. Through a series of seminars, students will learn how to critically evaluate research studies, design their own research projects, and present their findings to their peers.

MSEE 551- Thesis (0-0-6) Pre-requisite: Department Approval

This course offers students the opportunity to delve into energy engineering research project and showcase their analytical and writing skills under the guidance of a faculty advisor. Students will select a topic of their interest, conduct an extensive literature review, design and execute research, and interpret the results. The course includes key components such as a thesis proposal, progress reports, and a final thesis defense.

VISION

ECoB will lead business innovation through education, impactful research and society engagement.

MISSION

The ECoB commits to business transformation, incubate ideas, instill decision making, through data driven multidisciplinary curriculum and practice to create leaders, entrepreneurs, and scholars who will effectively engage and contribute to the local and global socio-economic growth.

Master of Science in Finance (MSF)

Program description

The Master of Science in Finance (MSF) program at Effat University focuses on the managerial aspects of general and Islamic finance. Students are encouraged to apply technical and analytical skills to a variety of problems related to general and Islamic finance and to propose relevant solutions. By offering this program in Saudi Arabia, we hope to meet the growing demand for highly qualified financial experts both the general and Islamic finance fields. In recognition of the growth of Islamic finance in GCC countries, particularly Saudi Arabia, the Islamic finance concentration is available. While the core courses are similar across both tracks, these courses entail the components for financial issues pertaining to both general and Islamic finance domain. Besides the core course, students must choose elective courses in Islamic finance to complete the concentration requirement. The Islamic finance concentration is unique to the region and offered only by Effat University in Saudi Arabia. On the other hand, students interested in the General finance track will gain relevant financial, managerial, and leadership skills, preparing them for managerial and strategic roles in their respective concentration.

Educational objectives

The major objectives of the program of Master of Science in Finance program are to:

- Equip students with a solid understanding of financial theory and practice.
- Prepare students for the complexity of financial markets by providing them with analytical and research skills.
- Prepare students to identify and manage financial risks with appropriate financial derivative instruments.
- Encourage students to conduct research that not only increases the finance literature, but also contributes to the development of the national economy and finance.

Learning outcomes

KNOWLEDGE and Understanding:
K1 – Demonstrate in-depth knowledge and understanding covering theories, principles, concepts and contemporary issues in the field of finance.
K2 – Reflect on advanced knowledge and understanding of recent developments, research and/or inquiry techniques in the field of finance.
SKILLS:
S1 – Apply quantitative and analytical skills needed for effective financial management and decision making.
S2 – Critically evaluate key concepts, principles, and theories related to various financial management issues and provide creative solutions.
S3 – Conduct advanced research or professional projects using specialized research, enquiry methodologies, data, and software in problem solving and effective decision making.
VALUES:
V1 – Demonstrate personal, professional, and ethical values when dealing with various issues related to finance.
V2 – Demonstrate high communication skills to interact, cooperate, and lead in a global context.

Career opportunities

The Master of Science in Finance will produce outstanding graduates who will be able to efficiently work as:

- Middle and top managers in banks with conventional banking
- Middle and top managers in banks with Islamic banking
- Financial Manager multinational companies
- Financial Analyst
- Portfolio Manager
- Risk Management Specialist
- Corporate Strategist
- Investment Banker
- Real Estate Financier
- Financial Planner
- Broker
- Risk Consultant
- Regulator in the central banks of countries with Islamic Finance
- Islamic Finance Entrepreneur
- Incubator Manager for Islamic Finance

Graduation requirements

To be able to graduate, students should complete the following:

1. A CUMGPA ≥ 3.0/4.0

2. A total of 42 credit-hours distributed as follows:

- 36 credit hours of course work (27 credits hours of major core, 9 credit hours of technical electives in the concentration and 6 credit hours for Thesis).

MSF Program Requirements: 42 Credit hours

Program Structure	Required/ Elective	No. of courses	Credit
Technical Core Courses	Required	9	27
Technical Elective	Elective	3	09
Thesis	Required	1	06
TOTAL		**13**	**42**

Technical Core Requirements: 27 Credit hours

To fulfil graduation requirements, all students are required to complete the following (09) core courses.

Course no.	Course title	Credits	Prerequisite(s)
MFCF 501	Financial Markets & Institutions	3-0-3	None
MFCF 502	Derivatives and Risk Management	3-0-3	MFCF 501
MFCF 503	Corporate Finance	3-0-3	None
MFCF 504	Fixed Income and Investments	3-0-3	None
MFCF 506	Asset Management	3-0-3	None
MFCF 507	Real- Estate Finance	3-0-3	None
MFEC 550	Financial Econometrics	2-1-3	MFRS 501
MFIF 520	Fundamentals of Islamic Finance	3-0-3	None
MFRS 501	Advanced Research Design	2-1-3	None
TOTAL		**27**	

Technical Elective Requirements: General Finance: 9 Credit Hours

To fulfil graduation requirements in General Finance, all students are required to select three courses (9 credit hours) from the following:

Course no.	Course title	Credits	Prerequisite(s)
MFAC 540	Financial Reporting and Statements Analysis	3-0-3	None
MFCF 505	Corporate Valuation	3-0-3	None
MFCF 508	International Finance	3-0-3	None
MFCF 509	Fintech & Innovation	3-0-3	None
MFCF 530	Financial Modeling	3-0-3	MFEC 550
MFAC 541	Islamic Accounting & Reporting	3-0-3	None
MFIF 521	Islamic Capital Markets	3-0-3	MFIF 520
MFIF 526	Islamic Fund Management	3-0-3	MFIF 520
MFIF 528	Islamic Banking & Financial System	3-0-3	MFIF 520
MFIF 529	Risk Management of Islamic Financial Institutions	3-0-3	MFIF 520
TOTAL		**9**	

General

Course no.	Course title	Credits	Prerequisite(s)
MFAC 541	Islamic Accounting & Reporting	3-0-3	None
MFIF 521	Islamic Capital Markets	3-0-3	MFIF 520
MFIF 526	Islamic Fund Management	3-0-3	MFIF 520
MFIF 528	Islamic Banking & Financial System	3-0-3	MFIF 520
MFIF 529	Risk Management of Islamic Financial Institutions	3-0-3	MFIF 520
TOTAL		**9**	

Thesis Requirement: 6 Credit hours

To fulfill the graduation requirements, all students are required to complete and defend their final Thesis.

Course no.	Course title	Credits	Prerequisite(s)
MFRS 502	Thesis	0-0-6	MFRS 501 & MFEC 550
TOTAL		**6**	

MSF Study plan

The two years study plan for MSF is as below:

Semester 1

Course no.	Course title	Prerequisite(s)	Credits
MFCF 501	Financial Markets & Institutions	None	3-0-3
MFCF 503	Corporate Finance	None	3-0-3
MFRS 501	Advanced Research Design	None	2-1-3
MFIF 520	Fundamentals of Islamic Finance	None	3-0-3
TOTAL			**12**

Semester 2

Course no.	Course title	Prerequisite(s)	Credits
MFCF 502	Derivatives and Risk Management	MFCF 501	3-0-3
MFCF 506	Asset Management	None	3-0-3
MFEC 550	Financial Econometrics	MFRS 501	2-1-3
	Technical Elective - I	-	3-0-3
TOTAL			**12**

Summer

Course no.	Course title	Prerequisite(s)	Credits
MFSS 500	Seminar Series in Finance	-	0-1-0

Semester 3

Course no.	Course title	Prerequisite(s)	Credits
MFCF 504	Fixed Income and Investments	None	3-0-3
MFCF 507	Real- Estate Finance	None	3-0-3
	Technical Elective - II	-	3-0-3
	Technical Elective - III	-	3-0-3
TOTAL			**12**

Semester 3

Course no.	Course title	Prerequisite(s)	Credits
MFRS 502	Thesis	MFRS 501 & MFEC 550	0-0-6
TOTAL			**6**

Summary of courses

Course no.	Course title	Credits	Prerequisite(s)
MFAC 540	Financial Reporting and Statements Analysis	3-0-3	None
MFAC 541	Islamic Accounting & Reporting	3-0-3	None
MFCF 501	Financial Markets & Institutions	3-0-3	None
MFCF 502	Derivatives and Risk Management	3-0-3	MFCF 501
MFCF 503	Corporate Finance	3-0-3	None
MFCF 504	Fixed Income and Investments	3-0-3	None
MFCF 505	Corporate Valuation	3-0-3	None
MFCF 506	Asset Management	3-0-3	None
MFCF 507	Real- Estate Finance	3-0-3	None
MFCF 508	International Finance	3-0-3	None
MFCF 509	Fintech & Innovation	3-0-3	None
MFCF 530	Financial Modeling	3-0-3	MFEC 550
MFEC 550	Financial Econometrics	2-1-3	MFRS 501
MFIF 520	Fundamentals of Islamic Finance	3-0-3	None
MFIF 521	Islamic Capital Markets	3-0-3	MFIF 520
MFIF 526	Islamic Fund Management	3-0-3	MFIF 520
MFIF 528	Islamic Banking & Financial System	3-0-3	MFIF 520
MFIF 529	Risk Management of Islamic Financial Institutions	3-0-3	MFIF 520
MFRS 501	Advanced Research Design	2-1-3	None
MFRS 502	Thesis	0-0-6	MFRS 501 & MFEC 550
MFSS 500	Seminar Series in Finance	0-1-0	

Course Descriptions for MSF program:

This sections includes the course descriptions of all the courses in the curriculum.

MFAC 540 Financial Reporting and Statements Analysis (3-0-3) — Prerequisite(s): None

Financial Statement Analysis is a postgraduate course that focuses on how companies use financial statements as a means of communication and how accounting rules and managerial choices can impact the presentation of these statements. This course covers a range of topics including strategic analysis, risk and profitability assessment, accounting analysis, and prospective analysis. By the end of the course, students will have gained the skills to interpret financial statements, analyse cash flows, evaluate the quality of earnings, identify undisclosed assets and liabilities, and forecast and value firms using cash flow valuation and accounting valuation methods based on financial statements.

MFAC 541 Islamic Accounting and Reporting (3-0-3) — Prerequisite(s): None

This course introduces the accounting concepts and principles of the Islamic Accounting standards and the different accounting and reporting practices in Islamic financial institutions. It will provide students with a critical understanding of the corporate governance standards issued by the Islamic Financial Services Board (IFSB) as well as the Islamic Accounting and Auditing Standards (IAAS) issued by the Accounting and Auditing Organization of Islamic Financial Institutions (AAOIFI).

MFCF 501 Financial Markets & Institutions (3-0-3) — Prerequisite(s): None

The main objective of this course is to provide a greater understanding of the various aspects of financial investment decisions and the investment environment. This course therefore covers the mechanisms of financial markets, the characteristics of the financial instruments, asset classes, risk–return profiles and the description and analysis of different stages in the investment decision process. The course structure will progress from the investment decision process to portfolio theory and practice, including topics such as pricing, professional investment management, return predictability; stock valuation revisited and risk budgeting. Main topics include an overview of the current investment environment, asset classes and financial instruments, portfolio theory and risk valuation.

MFCF 502 Derivatives and Risk Management (3-0-3)) — Prerequisite(s): MFCF 501

The course provides a firm understanding of derivative instruments and selected advanced topics in risk analysis and risk management. This includes mastering the economic foundations of derivatives theory and their application in the real and imperfect world ("practice"). Main topics include an introduction to linear and non-linear derivatives, Options, futures and swaps, Introduction to Dynamic Arbitrage, Accounting for derivatives, OTC and exchange traded, Hedging with Options, option pricing models, model input estimations, hedging and software implementation of the models.

MFCF 503 Corporate Finance (3-0-3) — Prerequisite(s): None

The main purpose of this course is to expose students to the roles played by investment banks in financial markets, particularly in advising The course develops the analytical skills for making corporate investment with regards to financial decisions and risk analysis. This course will examine various theories including the concept of present value, the opportunity cost of capital, discounted cash flow analysis, a consortium of valuation techniques, issues between short & long term financial management, risk and return, capital asset pricing model, capital budgeting, corporate capital structure and financing decisions, dividend policy, investment and financial decisions in the international context, including exchange rate/interest rate risk analysis, and issues of corporate governance and control. In essence, the course explores the very patterns of corporate finance that has shaped the familiar yet complex terrain of today's global economy. The course teaching methodologies will be composed of lectures, homework assignments and a group project.

MFCF 504 Fixed Income and Investments (3-0-3) — Prerequisite(s): None

The course focuses on the basic concepts of investments and fixed income securities. Topics include the identification and analysis of investment opportunities, portfolio analysis and optimization, the identification and execution of investment strategies, and the professional responsibilities of asset managers. Although the equity markets often get more attention in the popular media, the fixed income world is much larger in terms of both outstanding issues as well as annual issuance.

MFCF 505 Corporate Valuation (3-0-3) — Prerequisite(s): None

An important goal of corporate finance analysis is to value a firm and the course therefore focuses on learning of core valuation concepts, tools and skills with this goal as the key outcome objective. The course covers the various methods of corporate valuation and follows a case based approach to enable the students to put finance concepts into practical frameworks for valuing firms and businesses. The course also familiarizes students with the usage of spread sheets to build financial models for valuation and appreciate the linkages between valuation and strategy of firms. The course is focused on the valuation of corporations and SMEs from a financial point of view. Emphasis is on valuation methodologies (and related issues) in broad sectors of the economy, including the manufacturing, consumer and services industries, as applied in practice. A special section of the course is expressly dedicated to corporate valuation applied to LBO and M&A deals.

MFCF 506 Asset Management (3-0-3) — Prerequisite(s): None

The course provides students with a fundamental understanding of the principles and analytics of asset management as applied to both institutional and private clients. This course will be of great interest to anyone aspiring to a career in asset, portfolio, private wealth, endowment, or pension fund management. A fundamental understanding of the issues in asset management, whether institutional or private, will also be helpful in other areas of finance such as investment banking, insurance, accounting, and personal finance. In addition, students will learn how to better manage their future personal wealth.

MFCF 507 Real Estate Finance (3-0-3) — Prerequisite(s): None

Real Estate Finance is a postgraduate course that that explores the financial and investment aspects of the real estate industry. Key topics covered include real estate markets, valuations, financial analysis, mortgage markets, and real estate investment trusts. Students will gain a deep understanding of the financial and investment strategies used in the real estate industry, and will also develop skills in financial analysis and forecasting. Upon completion, students will be able to effectively evaluate real estate investment opportunities and make informed financial decisions.

MFCF 508 International Finance (3-0-3) — Prerequisite(s): None

This course addresses the following main topics: exchange rate determination in open economy models, failures of the law of one price and pricing to market, international business cycles transmission in general equilibrium models, exporter dynamics, short and long run adjustments of trade flows, determinants of international capital flows and multinational production. It focuses on international financial management and international trade. Other topics covered include trends in international banking, the balance of payments, the determination of exchange rates, the LDC debt crisis, and the Asian meltdown.

MFCF 509 Fintech & Innovation (3-0-3) — Prerequisite(s): None

Fintech and Innovation is a postgraduate course that examines the role of technology in finance. Major topics covered include financial technologies such as blockchain, cryptocurrency, and artificial intelligence, as well as the impact of these technologies on traditional financial institutions and financial markets. The course also examines the role of innovation in the financial industry. Upon completion of this course, students will have gained an understanding of the key technologies driving change in the financial sector, as well as the skills to analyse and evaluate the potential impact and adoption of these technologies.

MFCF 530 Financial Modelling (3-0-3) — Prerequisite(s): MFEC 550

This course stipulates the computer-based modelling and forecasting of financial management theory and practice. It introduces the spreadsheets-based skills to evaluate the impact of financial decisions pertaining to the analysis of the financial statements, capital budgeting, cash budgeting, determination of the cost of capital and choices related to capital structure. This course offers techniques such as scenario and sensitivity analysis, optimization methods, Monte Carlo simulations and regression analysis.

MFEC 550 Financial Econometrics (2-1-3) — Prerequisite(s): MFRS 501

This course focuses on the empirical techniques to analyse the financial data. It introduces the tools to forecast financial returns, estimate volatility and determine the various financial models such as capital asset pricing models. It provides the techniques to assess the various forms of data i.e., time series, cross sectional and panel data while using the software such as EViews and STATA. This course acquaints the students with the skills to conduct and present original empirical research in finance.

MFIF 520 Fundamentals of Islamic Finance (3-0-3) — Prerequisite(s): None

Fundamentals of Islamic Finance is a postgraduate course that introduces the principles and practices of Islamic finance. Key topics include Sharia compliance, profit and loss sharing, sukuk and other Islamic financial instruments, and the development of Islamic finance in the global financial system. Upon completion of this course, students will have a thorough understanding of the fundamental principles of Islamic finance, the ability to analyse and evaluate Islamic financial products and transactions, and the ability to apply Islamic finance principles in real-world financial situations. This course is designed for students interested in exploring the ethical and values-based approach of Islamic finance as an alternative to Corporate finance.

MFIF 521 Islamic Capital Markets (3-0-3) — Prerequisite(s): MFIF 520

This course is completely devoted to Islamic Capital Markets including financing instruments and mechanisms. It will highlight the growth and development of the Islamic Capital market, and the Sharia' principles governing this market. The course focuses on: Islamic Securities, Sukuk and Islamic structured products and derivatives.

MFIF 526 Islamic Fund Management (3-0-3) — Prerequisite(s): MFIF 520

This course provides a solid knowledge in the techniques needed to create portfolios of Sharia' compliant instruments and products. In addition to a comprehensive understanding of the principles and application of asset management. The course contents include responsibilities of the investment manager to the Shariah-sensitive investor, an overview of basic portfolio management tools, Islamic investments, Islamic wealth management products, create Islamic portfolios, portfolio optimization: analytical techniques, portfolio risk analysis, and the tools and consideration needed to elaborate a Sharia compliant investment portfolio.

MFIF 528 Islamic Banking & Financial System (3-0-3) — Prerequisite(s): MFIF 520

This course introduces students to the basics of Islamic financial contracts with particular emphasis on the basis of the Islamic Law of contracts as well as a thorough introduction to the basic Islamic financial contracts. The course provides a solid knowledge of how Islamic banks perform their financial intermediation and utilize their funds.

MFIF 529 Risk Management of Islamic Financial Institutions (3-0-3) — Prerequisite(s): MFIF 520

This course is devoted to provide a clear view of risk analysis and risk management in conventional and Islamic finance frameworks, and the utilization of the techniques that can be used to manage risk in Islamic finance without violating the teaching of the Shari'ah.

MFRS 501 Advanced Research Design (2-1-3) — Prerequisite(s): None

This course aims to provide a detailed understanding of the processes and techniques to conduct research in finance. While using alternative tools, this course provides hands -on – practice to carry out a research project from beginning to end. Topics will include the fundamentals of the scientific method and scientific inquiry such as selection of topic, writing an effective introduction, conducting a detailed literature review and selecting an appropriate research design, ethical considerations in research, strengths and weaknesses of various data collection methods, and basic methods of quantitative and qualitative data collection.

MFRS 502 Thesis (0-0-6) — Prerequisite(s): MFRS 501 & MFEC 550

This course builds on MFRS 590 and MFEC 550. In this course, the student carry out genuine research and produce a project in the relevant field. The student will capitalize on the knowledge gained from her / his experience and education in previous semesters of the program. Upon completion of the thesis, students will be able to: Develop a clear understanding of the fundamental features of a particular topic in Finance; be able to transform theory into practice by conducting empirical research; use the acquired knowledge to solve particular research problem in Finance; develop a research problem that he or she may study further at the PhD level; participate in the development of knowledge in various area of Finance. Though there is no formal class contact in this course, the student is expected to meet her/his supervisor at least once a week to discuss the progress of research and seek advice for further course of action. By the end of semester, students are required to prepare a final report and present orally their research output.

MFSS 500 Seminar Series in Finance (0-1-0) — Prerequisite(s): None

This is a non-credit mandatory seminar for Master students specializing in the area of finance. It exposes students to a wide range of topics in their field of specialization to enhance their knowledge to 'top-tier' standard. The course integrates material from previous courses taken in the general or Islamic finance concentration. Upon completing this course, students will be able to finalize their research topic and supervisor for completing their thesis.

PhD in Business Administration

Program description

The PhD in Business Administration program is designed to provide students with advanced knowledge and research skills in various areas of business, such as accounting, finance, human resource management, marketing, operations, and real-estate. The program takes 4-5 years to complete and involves rigorous coursework, independent research, and the completion of a dissertation. Students are typically required to take core courses in research methods and theories of business, as well as advanced courses in their area of specialization. Students in the program will have the opportunity to work closely with faculty members who are experts in their field, and will be encouraged to conduct original research and present their findings in academic conferences and publications. The program is ideal for students who are interested in pursuing careers in academia or research, or for those who aspire to senior-level management positions in various industries.

In addition to the coursework and research requirements, students in the program will have the opportunity to teach undergraduate courses under the supervision of senior faculty members, providing valuable experience and skills that can enhance their future career prospects. Overall, the PhD in Business Administration program is designed to provide students with the advanced knowledge and research skills they need to become leaders in their field, and to make significant contributions to the business community and society as a whole.

Educational objectives

The major objectives of the program are:

- To provide students with top-tier and advanced knowledge in the business administration general area and the field of specialization.
- To provide students with the necessary skills and knowledge to design and conduct high quality research.
- To prepare student to be outstanding scholars, self-directed and highly disciplined.
- To prepare students to become excellent communicators, which is a skill highly required in different domains of which teaching and quality research output.
- To equip students with strong quantitative and analytical skills.
- To develop students' creativity, critical thinking, and interpersonal skills.

Learning outcomes

Knowledge:

- Demonstrate a deep understanding of the principles, theories and concepts in the Business administration general field.
- Demonstrate a thorough understanding at the frontiers of knowledge in the field of specialization.
- Demonstrate outstanding scholarly and academic skills.

Skills:

- Synthesize theoretical knowledge and analytical skills to provide innovative ideas for complex issues and challenges related to the field of specialization.
- Apply advanced knowledge and research methodologies and techniques to test innovative ideas and provide creative solutions.
- Effectively design, conduct and communicate research output.
- Communicate effectively at appropriate level with a variety of audience using relevant IT tools.
- Apply advanced numerical skills to conduct the research in the field of specialization.

Values:

- Demonstrate high level of responsibility and autonomy.
- Demonstrate the ability to interact and lead in a multicultural environment.
- Deal consistently and sensitively with complex ethical issues in academic and/or professional contexts, and reflect high levels of loyalty, responsibility, and commitment to serve the society.

Career opportunities

After graduation, the PhD holders can pursue the following careers:

Professors in Business Schools in their field of specialization

Researchers in the field of specialization

Practitioners in their field of specialization

Consultants in their field of specialization

Graduation requirements

The program graduation requirements are as follows:

- Doctorate students are expected to complete the PhD program in 4 years. The additional year would be added to the duration of the program in case the student needs to first start with the Preparatory Program before starting the PhD program.
- Completing 60 credits hours leading to 4 years of full-time study, excluding the preparatory year.
- Successfully pass the qualifying exam in semester 5 of year 3.
- Successfully defend the research proposal during semester 6 in year 3.
- Complete the mandatory teaching engagement in semester 6 of year 3.
- Successfully defend their dissertation for the award of PhD degree. The dissertation defense is oral and open to the public.

Preparatory Year:

PhD candidates from background other than business can join the program upon the completion of some deficiency courses in the Preparatory Year Program, as specified by the admission committee based on their chosen area of specialization

Course no.	Course title	Credits	Prerequisite(s)
PYGG 001	Research Methodology	4	NONE
PYGG 002	Philosophy and Philosophers	4	NONE
PYGG 003	Statistics for Graduate Studies	2	NONE
PYPHD xxx	Elective (1)	3	Dept. Approval
PYPHD xxx	Elective (2)	3	Dept. Approval
PYPHD xxx	Elective (3)	3	Dept. Approval
PYPHD xxx	Elective (4)	3	Dept. Approval
PYPHD xxx	Research Project	3	PYGG 001, PYGG 002 & PYGG 003

Program Curriculum Structure:

Technical electives: Select a total of 7 courses (21 credit hours) from the two tables.

Program Requirements	Description	Number of Credits
Course Work (Total of 42 Credits)	7 Core Requirement courses each of 3 Cr	21
	7 Elective Requirement courses each of 3Cr	21
Teaching Engagement	Teaching 1 course of 3 credit hours during their PhD program	Mandatory
Qualifying Examination	Pass the comprehensive examination	Mandatory
Research Proposal	Defend the research proposal and getting it approved by the Dissertation Committee	6
Dissertation	Complete and successfully defend the PhD dissertation	12
TOTAL NUMBER OF CREDITS		**60**

Core Requirements: 21 Credit hours

All students are required to take seven (07) core courses of total 21 credit hours. These courses are as follows:

Course no.	Course title	Credits	Prerequisite(s)
BUS 600	Theory in Business Administration	3-0-3	NONE
BUS 601	Competitive Analysis and Strategy	3-0-3	BUS 600
BUS 680	Business Education for Scholar	3-0-3	BUS 600
BUS 690	Foundation of Business Research	3-0-3	NONE
BUS 691	Econometrics	2-2-3	NONE
BUS 692	Advanced Statistical Research Techniques	2-2-3	BUS 691
BUS 693	Advanced Qualitative Methods	2-2-3	BUS 690

Elective Requirements: 21 Credit hours

The students are required to select any seven elective requirement courses. These courses can be selected from the provided list of courses that combines general courses from different business disciplines and areas of specializations.

Area	Course no.	Course title	Credits	Prerequisite(s)
Accounting	ACCT 620	Advanced Accounting Theory and Policy	3-0-3	None
	ACCT 621	Auditing theory and Empirical Research	3-0-3	ACCT 620
	ACCT 622	Empirical Research in Accounting	3-0-3	ACCT 620
	ACCT 623	Advanced Managerial Accounting	3-0-3	ACCT 620
	ACCT 624	International Accounting	3-0-3	ACCT 620
	ACCT 625	Advanced Financial Accounting	3-0-3	ACCT 620
Entrepreneurship	ENTP 650	Entrepreneurship Application of Digital Media	3-0-3	None
	ENTP 651	Corporate entrepreneurship and Innovation	3-0-3	None
	ENTP 652	Social Entrepreneurship	3-0-3	None
	ENTP 653	Family Business Management	3-0-3	None
	ENTP 654	New Venture Creation	3-0-3	None
	ENTP 655	Entrepreneurship and Leadership	3-0-3	None
Finance	FIN 640	Advanced Portfolio Management	3-0-3	None
	FIN 641	Advanced Theory of Finance	3-0-3	FIN 640
	FIN 642	Financial Derivatives and Risk Management	3-0-3	FIN 640
	FIN 643	Islamic Financial Instruments	3-0-3	FIN 640
	FIN 644	Advanced Corporate Theory	3-0-3	FIN 640
	FIN 645	Financial Econometrics	3-0-3	BUS 691, BUS 692
Human Resource Management	HRM 660	Strategic Human Resource Management	3-0-3	None
	HRM 661	Organizational Behavior	3-0-3	None
	HRM 662	Leadership: Theory & Research	3-0-3	None
	HRM 663	Organizational Design, Development and	3-0-3	None
	HRM 664	Change	3-0-3	None
	HRM 665	Human Resources Development	3-0-3	None
Marketing	MKT 610	Marketing Models and Quantitative Methods	3-0-3	BUS 691 & BUS 693
	MKT 611	Marketing Management and Strategy	3-0-3	None
	MKT 612	Advanced Consumer Behavior	3-0-3	MKT 611
	MKT 613	Brand and Product Management	3-0-3	BUS 600 & MKT 611
	MKT 614	Marketing in the Digital Age	3-0-3	BUS 600 & MKT 611
	MKT 615	Current Issues in Marketing	3-0-3	MKT 611
Operations Management	OPM 630	Decision Making Theory	3-0-3	BUS 691, BUS 692
	OPM 631	Inventory Management	3-0-3	OPM 630
	OPM 632	Production Planning and Control	3-0-3	OPM 630, OPM 631
	OPM 633	Service Operations Design & Analysis	3-0-3	OPM630, OPM631
	OPM 634	Supply Chain Management	3-0-3	OPM630, OPM631
	OPM 635	Seminars in Operations Management	3-0-3	OPM630, 631, 632, 633, 634
Real-Estate	RES 670	Real Estate Economics	3-0-3	Dept. Approval
	RES 672	Real Estate Finance and Investment	3-0-3	Dept. Approval, FIN 641
	RES 673	Real Estate Law and Transactions	3-0-3	FIN 641
	RES 674	Real Estate and Urban Development	3-0-3	RES 670
	RES 675	Financial Econometrics	3-0-3	BUS 691, BUS 692

Qualifying Exam Requirement: 0 Credit hours

All PhD scholars must complete the qualifying exam with an overall grade average of at least B (Very Good).

Teaching Engagement Requirement: 0 Credit hours

Students are required to complete a teaching engagement of one full academic term that includes teaching one course of three credit hours during their PhD Program. All PhD scholars will fulfill this teaching requirement in their field of expertise and under the guidance of a senior faculty member.

Research Requirements: 18 Credit hours

In order to complete the research requirements, students must complete two research courses (18 credit hours). The research courses are grouped into a research proposal (6 credits) followed by dissertation (12 credits).

-Research Proposal Requirement: 6 Credit hours

All PhD scholars are required to prepare research proposal in their third year.

Course no.	Course title	Credits	Prerequisite(s)
BUS 694	Research Proposal	Dep. Approval	6
TOTAL		**6**	

- Dissertation Requirement: 12 Credit hours

All PhD scholars are required to complete and defend their dissertation in the final year.

Course no.	Course title	Credits	Prerequisite(s)
BUS 695	Dissertation	Dep. Approval	12
TOTAL		**12**	

Study plan

Study plan for PhD in Business Administration program is as follows:

Year 1 - Semester 1

Course no.	Course title	Prerequisite(s)	Credits
BUS 600	Theory in Business Administration	None	3
BUS 690	Foundation of Business Research	None	3
BUS 691	Econometrics	None	3
TOTAL			**9**

Year 1 - Semester 2

Course no.	Course title	Prerequisite(s)	Credits
BUS 692	Advanced Statistical Research Techniques	BUS 691	3
BUS 693	Advanced Qualitative Methods	BUS 690	3
	Technical Requirement I	None	3
TOTAL			**9**

Year 2 - Semester 3

Course no.	Course title	Prerequisite(s)	Credits
BUS 601	Competitive Analysis and Strategy	BUS 600	3
BUS 680	Business Education for Scholars	BUS 600	3
TE xxx II	Technical Requirement II	None	3
TOTAL			**9**

Year 2 - Semester 4

Course no.	Course title	Prerequisite(s)	Credits
TE xxx III	Technical Requirement III	None	3
TE xxx IV	Technical Requirement IV	None	3
TE xxx V	Technical Requirement V	None	3
TOTAL			**9**

Year 3 - Semester 5

Course no.	Course title	Prerequisite(s)	Credits
TE xxx VI	Technical Requirement VI	None	3
TE xxx VII	Technical Requirement VIII	None	3
TOTAL			**6**

Year 3 - Semester 6

Course no.	Course title	Prerequisite(s)	Credits
BUS 681	Teaching Engagement	None	0
BUS 694	Research Proposal	Dep. Approval	6
TOTAL			**6**

Year 4

Course no.	Course title	Prerequisite(s)	Credits
BUS 695	Dissertation	Dep. Approval	12
TOTAL			**12**

Summary of courses

Course no.	Course title	Credits	Prerequisite(s)
BUS 600	Theory in Business Administration	3	None
BUS 601	Competitive Analysis and Strategy	3	BUS 600
BUS 680	Business Education for Scholars	3	BUS 600
BUS 690	Foundation of Business Research	3	None
BUS 691	Econometrics	3	None
BUS 692	Advanced Statistical Research Techniques	3	BUS 691
BUS 693	Advanced Qualitative Methods	3	BUS 690
BUS 694	Research Proposal	6	Dep. Approval
BUS 695	Dissertation	12	Dep. Approval
ACCT 620	Advanced Accounting Theory and Policy	3	None
ACCT 621	Auditing theory and Empirical Research	3	ACCT 620
ACCT 622	Empirical Research in Accounting	3	ACCT 620
ACCT 623	Advanced Managerial Accounting	3	ACCT 620
ACCT 624	International Accounting	3	ACCT 620
ACCT 625	Advanced Financial Accounting	3	ACCT 620
ENTP 650	Entrepreneurship Application of Digital Media	3	None
ENTP 651	Corporate entrepreneurship and Innovation	3	None
ENTP 652	Social Entrepreneurship	3	None
ENTP 653	Family Business Management	3	None
ENTP 654	New Venture Creation	3	None
ENTP 655	Entrepreneurship and Leadership	3	None
FIN 640	Advanced Portfolio Management	3	None
FIN 641	Advanced Theory of Finance	3	FIN 640
FIN 642	Financial Derivatives and Risk Management	3	FIN 640
FIN 643	Islamic Financial Instruments	3	FIN 640
FIN 644	Advanced Corporate Theory	3	FIN 640
FIN 645	Financial Econometrics	3	BUS 691, BUS 692
HRM 660	Strategic Human Resource Management	3	None
HRM 661	Organizational Behavior	3	None
HRM 662	Leadership: Theory & Research	3	None
HRM 663	Organizational Design, Development and Change	3	None
HRM 664	Human Resources Development	3	None
HRM 665	Seminar in Human Resource Management	3	None
MKT 610	Marketing Models and Quantitative Methods	3	BUS 691, BUS 693
MKT 611	Marketing Management and Strategy	3	None
MKT 612	Advanced Consumer Behavior	3	MKT 611
MKT 613	Brand and Product Management	3	BUS 600, MKT 611
MKT 614	Marketing in the Digital Age	3	BUS 600, MKT 611
MKT 615	Current Issues in Marketing	3	MKT 611
OPM 630	Decision Making Theory	3	BUS 691, BUS 692
OPM 631	Inventory Management	3	OPM 630
OPM 632	Production Planning and Control	3	OPM 630, OPM 631
OPM 633	Service Operations Design & Analysis	3	OPM 630, OPM 631
OPM 634	Supply Chain Management	3	OPM 630, OPM 631
OPM 635	Seminars in Operations Management	3	OPM 630, 631, 632, 633, 634
RES 670	Real Estate Economics	3	Dept. Approval
RES 672	Real Estate Finance and Investment	3	Dept. Approval, FIN 641
RES 673	Real Estate Law and Transactions	3	FIN 641
RES 674	Real Estate and Urban Development	3	RES 670
RES 675	Financial Econometrics	3	BUS 691, BUS 692

Course Descriptions

The course descriptions for PhD program are as follows:

BUS 600 - Theory in Business Administration (3-0-3) — Prerequisite(s): None

This course aims on acquainting students advanced skills to examine the research processes involved in formulating theories and provides insights into the instruments and concepts for validating theory. The course guides the students' intellect through linking the constructs and deriving new theoretical models based on their analysis and relevant approaches to build theories.

BUS 601 - Competitive Analysis and Strategy (3-0-3) — Prerequisite(s): BUS 600

Dealing with competitors forms a fundamental part in operating a business. This course demonstrates how managers need to scan the competitive environment. It includes a more sophisticated perspective on how to recognize the value of competitors, how competitive decisions can have both positive and negative consequences, and how to lead the business to gain competitive positions.

BUS 680 - Business Education for Scholars (3-0-3) — Prerequisite(s): BUS 600

This course introduces students to curriculum development, module development, teaching/lecturing skills, and teaching pedagogy and methods. By the end of the course, students will be able to be demonstrate good teaching skills that would help them in starting their career in academia.

BUS 690 - Foundation of Business Research (3-0-3) — Prerequisite(s): None

This course provides an in depth examination of the philosophical approaches of various research designs and methods with the applications to current Business issues. Students are expected to develop critical perspective on literature review, research designs, research ethics, data collection, data analysis, and uses of different types of primary and secondary sources of data using qualitative and quantities methods. Students are also expected to learn how to present their research findings in a scholarly manner.

BUS 691 – Econometrics (2-2-3) — Prerequisite(s): None

Econometrics is the application of statistical techniques to economic models in an effort to achieve numerical results and to verify economic theorems. The objective of this course is to provide a very thorough presentation of important econometric concepts. Although students will not be expert of theoretical econometrician, at the end of the course, they gain an understanding of the main problems, which applied economists face.

BUS 692 - Advanced Statistical Research Techniques (2-2-3) — Prerequisite(s): BUS 691

This course is designed to introduce students to multivariate data analysis techniques and their applications in in various field of business administration. The course contents would cover statistical techniques related to group comparisons, such as T-test, ANOVA, MANOVA, etc., as well as techniques related to relationship exploration, such as EFA, Regression Analysis, Cluster Analysis, etc. Furthermore, this course would also expose students to the appropriate ways of reporting statistical results in research paper and dissertation.

BUS 693 - Advanced Qualitative Methods (2-2-3) — Prerequisite(s): BUS 690

The course examines the theoretical, conceptual and epistemological frameworks for qualitative research methods; including rigorous training in: qualitative methods including but not limited to participant observation, organizational observation, semi- and non- structured interviewing, interpretation, and presentation of original research; qualitative data analysis techniques including but not limited to content analysis, thematic analysis etc. It will also involve hands on practice using latest tools such as Atlas.ti & Nvivo, etc.

BUS 694 - Research Proposal (0-0-6) — Prerequisite(s): Dep. Approval

This course aims to explore and assess ways to approach students' research problems in their specific interest areas. The course will first help students to start working on their dissertation research proposal with the introduction of research process. Secondly, the course will acquaint students with the advanced skills to critically evaluate and design their research projects. Students will complete the preparation of their research proposal with the advice and support of their supervisors. By the end of the semester, they are required to submit their dissertation research proposals and to defend it orally in front of the Research Committee.

BUS 695 – Dissertation (0-0-12) — Prerequisite(s): Dep. Approval

This course is a continuation of BUS 694. The aim of the course is to help the student carry out research and produce a high-quality dissertation in the relevant field of specialization. The student will capitalize on the knowledge gained from her experience and education throughout the program. Though there is no formal class contact in this course, the student is expected to meet her/his supervisor at least once a week to discuss the progress of research and seek advice for further course of action. By the end of this course, the students will have the required data collected with a good grasp of the necessary research methodology to make their research original.

ACCT 620 - Advanced Accounting Theory and Policy (3-0-3) — Prerequisite(s): None

This advanced course in financial accounting theory and policy presents an in-depth analysis of advanced concepts and principles, the regulations and its application to current and future accounting issues. It also discusses the extended systems of corporate accountability. The course incorporates a global perspective with respect to the development and analysis of accounting standards and auditing.

ACCT 621 - Auditing theory and Empirical Research (3-0-3) — Prerequisite(s): ACCT 620

This course introduces the basic issues and methodologies of auditing theory and empirical research. It provides students with advanced methods of planning, control and sampling. The course also covers fraud auditing, audits responsibilities and ethics by using contemporary research methods and case studies.

MACCT 622 - Empirical Research in Accounting (3-0-3) — Prerequisite(s): ACCT 620

This course concentrates on financial accounting topics. It introduces measurement and fair value accounting, reporting techniques. It also covers capital market research and accounting, international accounting theory and current issues. This course develops students' knowledge about the international financial reporting standards as well as reviews a number of current issues in financial accounting research.

ACCT 623 - Advanced Managerial Accounting (3-0-3) — Prerequisite(s): ACCT 620

The course builds on the accounting principles, and develops knowledge and skills in the application of management accounting techniques to quantitative and qualitative information for planning, decision- making, performance evaluation and control within an organization.

ACCT 624 - International Accounting (3-0-3) — Prerequisite(s): ACCT 620

International Accounting is the study of an entity reported as either a multinational company or an entity whose reporting obligations to stakeholders are located in a country other than that of the reporting entity. A detailed investigation on the convergence of U.S. Generally Accepted Accounting Principles (GAAP), International Financial Reporting Standards (IFRS) and Saudi Accounting standard serves as a foundation for this course. Also discussed are the effects of financial reporting, international taxation, management accounting practices and international financial statement analysis on a multinational reporting entity. Employing and critiquing the use of global accounting and auditing standards will integrate the student's existing skills with domestic accounting standards.

MACCT 625 - Advanced Financial Accounting (3-0-3) — Prerequisite(s): ACCT 620

The course examines a number of complex topics and their effect on financial reporting and disclosure. Topics include an introduction to international accounting and the development of accounting standards; temporary and long-term investments in debt and equity securities; business combinations; consolidation at acquisition; consolidation subsequent to acquisition; consolidation and intercompany profit in inventory and land; consolidation and intercompany company in depreciable assets; foreign currency transactions; translation and consolidation of international operations; and accounting for not-for-profit organizations including public sector reporting.

MFIF 522: Islamic Economics, Business and Finance (3-0-3) — Prerequisite(s): None

This course covers the fundamental features and methodologies of Islamic economics and business. It will discuss doing business, economic policies, business models, strategies and government regulations within this context. The course also assesses corporate finance topics from an Islamic finance perspective. It examines how Islamic finance views the sources and uses of funds explored in modern corporate finance and the different alternative Sharia-compliant tools in the analysis of the cost of capital and investment opportunities. This course aims to provide students with the knowledge and skills needed in: foundations of Islamic economics; Islam and economics; optimization in Islamic economics; the economics of profit-loss sharing; comparison of Western and Islamic economics; market mechanisms from the Islamic perspective; theory of Islamic firms, and corporate financial businesses operations in compliance with Sharia.

MENTP 650 - Entrepreneurship Application of Digital Media (3-0-3) — Prerequisite(s): None

The course helps students examine the complexities of entrepreneurial digital media applications and process. Topics highlighted in the class include examining the disruptive shifts in the digital media industry and understand the context of change, innovation and new business models that are driving growth and scrutinize entrepreneurial values vs. economic sustainability and conflicts of interest in the digital media scope, in addition to building the capabilities of the student to conceive and launch digital media prototypes using traditional beats, community building, social networks, digital tools, and/or potential new distribution channels, as well as to learn how to lead and manage interdisciplinary, start-up style project development teams.

ENTP 651 -Corporate entrepreneurship and Innovation (3-0-3) — Prerequisite(s): None

This course focuses on the creation and management of entrepreneurial initiatives within established organizations. It is also designed to introduce students to the issues crucial to the development of Organisational innovation and creativity. The course will concentrate on what managers do to foster climates that facilitate entrepreneurship and innovation within established organizations.

ENTP 652 -Social Entrepreneurship (3-0-3) — Prerequisite(s): None

Social Entrepreneurship, engages students in identifying significant global problems and innovative solutions that drive social change. This course helps students understand the strategies that social entrepreneurs employ to create high-impact ventures, highlighting unique models for social problem- solving that offer bold solutions to complex and entrenched societal issues. Through case studies, lectures, and classroom dialogue, students will learn to think strategically and act opportunistically with a socially- conscious entrepreneurial mindset.

ENTP 653 - Family Business Management (3-0-3) — Prerequisite(s): None

The course encapsulates the understanding of issues pertinent to family business growth, sustainability and survival and their impact on national and international economies. Recognition of the difference between growing and lifestyle family firms, and the impact of family firms on community and philanthropy.

ENTP 654 - New Venture Creation (3-0-3) — Prerequisite(s): None

The course is designed for students seriously considering launching a new venture in a variety of contexts (e.g. corporate, family, organization, franchise) or students planning to work in an early stage venture.

ENTP 655 - Entrepreneurship and Leadership (3-0-3) — Prerequisite(s): None

The course will help learn to create a company of excellence by focusing on the principles of Leadership (both contemporary and Materialistic) of entrepreneur and developing a leadership team through company's growth plan. It will help students understand the leadership challenges and transitions that entrepreneurs go through as a business grows from startup to an established enterprise, and develop a plan for a leadership style and leadership team growth. The course will also discuss diverse leadership styles.

FIN 640 - Advanced Portfolio Management (3-0-3) — Prerequisite(s): None

This course introduces portfolio management and asset pricing models (CAPM, APT, OPM). It provides students with a deep understanding of equity and bond portfolio management strategies and the performance evaluation models. Students will also evaluate the new developments in professional asset management.

FIN 641 - Advanced Theory of Finance (3-0-3) — Prerequisite(s): FIN 640

This course provides students with theories that are important building blocks for theoretical and empirical studies in finance. It introduces discrete time general equilibrium framework and analyses how preferences affect the properties of the pricing kernel and asset pricing, as well as the concept of dominance in portfolio choice. The course also covers a multi-period extension and the various risk neutral measures that are equivalent in this multi-period setting for the purpose of option pricing. Portfolio selection and continuous time method will be applied to all pricing models including utility function.

FIN 642 - Financial Derivatives and Risk Management (3-0-3) — Prerequisite(s): FIN 640

This course covers theoretical and practical aspects of derivatives and risk management. It provides a deep understanding of various types of derivatives. It also examines the applications of derivatives in risk management and discusses new techniques of hedging credit, financial and operational risks.

FIN 643 - Islamic Financial Instruments (3-0-3) — Prerequisite(s): FIN 640

This course provides delegates with a thorough grounding in Islamic finance and financial instruments. The course covers the principles behind Islamic finance and the relationship between Islamic and conventional financing. During the course delegates explore recent history and trends in Islamic finance. Course delegates are also provided with the opportunity to learn how to structure cash flows for Islamic finance and different Islamic finance markets and products.

FIN 644 - Advanced Corporate Theory (3-0-3) — Prerequisite(s): FIN 640

The course covers corporate investing, financing and distributing policies. It also provides an overview on cost of capital, payout policy theories and control. This course explains theories related to leasing, mergers and acquisitions, corporate reorganizations, financial planning, and working capital management, and some other selected topics.

FIN 645 - Financial Econometrics (3-0-3) — Prerequisite(s): BUS 691, BUS 692

Financial econometrics aims to study quantitative problems arising from finance. It uses statistical techniques and economic theory to address a variety of problems from finance. These include building financial models, estimation and inferences of financial models, volatility estimation, risk management, and testing of financial and economic theory.

HRM 660 - Strategic Human Resource Management (3-0-3) — Prerequisite(s): None

This course explores classic and emerging theories and research in HRM. The course focuses on how literature in psychology, sociology, and economics have informed the key developments in HRM literature. The emphasis will be on comparing the various models of high performance HR practices including but not limited to HCM, HIM, HPWS. Empirical evidence is combined together with theories to analyze the performance effects on companies in public, private, manufacturing and services sectors.

MHRM 661 - Organizational Behavior (3-0-3) — Prerequisite(s): None

This course reviews mainstream research in the field of Organizational Behavior focusing on key issues related to human behavior at individual, group, and organizational level that can pose challenges for organizational performance in terms of productivity, deviant workplace behaviors, citizenship behaviors, job satisfaction, and turnover etc. Concepts and theories important to understand individual, group and organizational behavior will be covered to help students recognize issues relating with organizational behavior. The course will provide students an opportunity to involve in reflective dialogue that harness their analytical skills and enriches their understanding of the theoretical frameworks, challenges and dilemmas facing the field. Special attention will be given to knowledge about the core topics of motivation, leader behavior and power, interpersonal communication, group structure and processes, learning, attitude development and perception, change processes, conflict, work design, and work stress.

HRM 662 - Leadership: Theory & Research (3-0-3) — Prerequisite(s): None

This course covers essential understanding of leadership theories and research and helps the students to create personal insights into their own patterns of leadership skills & styles. The course contents at large focus on the critical analysis of the various leadership theories and styles and their potential applications to variety of social and organizational settings. Attention is devoted to provide a good insight into the contemporary research findings and future research directions on the impact of various leadership skills & styles on the individual and the organizational level performance.

HRM 663 - Organizational Design, Development and Change (3-0-3) — Prerequisite(s): None

This course examines the theories and research regarding organizational structure, culture and change processes. Students examine organizations using organizational diagnosis and development tools in an effort to support leaders to improve organizational efficiency and effectiveness and to transform their organizations into highly performing entities. Students study organizational culture and leader-follower interaction as they develop a change model using constructs from existing as well as emerging research to explain the behaviors and events in an organizational setting.

HRM 664 - Human Resources Development (3-0-3) — Prerequisite(s): None

Focuses on “micro-level” corporate training and other strategies for developing an organization’s workforces. This highly interactive course examines the fundamental role of human resources development in the organization to help people and organizations effectively manage change. This course focuses on strategies for assessing, designing, and implementing training and organizational development efforts that positively impact the performance of the individual and the work group. The course also covers ADDIE Model of training in detail, Succession Planning, Performance Appraisal Techniques, Appraisal interviews, Training Consulting, the role and skills of the HRD professional.

HRM 665 - Seminar in Human Resource Management (3-0-3) — Prerequisite(s): None

This course aims at critically reviewing and discussing the contemporary research in the core areas of HRM. The course will rely heavily on critical review of the most recent research (published in top tier HR/Management journals), small group discussions, and presentations on how the students can contribute further in those areas. Discussion of the recent HRM issues relies heavily upon in-class involvement, oral presentation, and interaction between and among both students and the instructor.

MKT 610 - Marketing Models and Quantitative Methods (3-0-3) — Prerequisite(s): BUS 691, BUS 693

This area uses techniques from statistics, economics, management science, and operations research to develop quantitative models to solve marketing problems. Techniques include quantifying and calibrating the impact of marketing actions on consumer choice; models to representing competitive positions of brands; optimally structuring new product pipelines; developing optimal pricing strategies for new products, and evaluating options to react to a competitor’s price change.

MKT 611 - Marketing Management and Strategy (3-0-3) — Prerequisite(s): None

This area focuses on developing theories to understand firms and markets, with an emphasis on managerial and strategic issues, and draws upon theories and methods from industrial economics, consumer behavior, strategic management, political science, and organizational behavior. Topics include the utilization of marketing information in developing and formulating marketing strategy, creation of value through strategic development and management of brand and product portfolios, communication of value through appropriate advertising and promotion strategies, delivering value through optimizing distribution and sales force channels and optimal extraction of value through appropriate pricing strategies. Structures and systems of optimizing sales force by using research by authors such as Godes, Coughlan, El-Ansari will also be covered.

MKT 612 - Advanced Consumer Behavior (3-0-3) — Prerequisite(s): MKT 611

This course discusses the development of consumer behavior research, theories, and models, and evaluates this development from theoretical as well as practical perspectives. The course includes several readings and students will be engaged in library research and class discussions presenting critiques of the state of the art research literature with regards to the topics discussed.

MKT 613 - Brand and Product Management (3-0-3) — Prerequisite(s): BUS 600, MKT 611

This course provides the student with the specialized knowledge, analysis, and assessment skills needed for brand and product management. This includes the learning of how strategic brand and product decisions are made and the use of the tools and techniques available in this field. Student assignments include brand and product research reviews and critique. Case analysis and field experimentation are among the teaching techniques used.

MKT 614 - Marketing in the Digital Age (3-0-3) — Prerequisite(s): BUS 600, MKT 611

Exploration of the theories, concepts, and research in marketing related to e-commerce with particular emphasis on social media, digital communication and ‘click’ channels. Examines related theories from social psychology, sociology, marketing, and their limitations. In addition, we will explore existing research in marketing on social media phenomena - focusing on contributions, limitations, and research opportunities.

MKT 615 - Current Issues in Marketing (3-0-3) — Prerequisite(s): MKT 611

The main objective of this course is to discuss, analyze, and critique current marketing issues and problems, and to review emerging marketing studies in all marketing fields. The course gives special attention to global marketing issues and how modern and emerging marketing techniques and tools can be applied to the Saudi environment. Topics may vary from semester to semester according to the issues of importance at the time.

OPM 630 - Decision Making Theory (3-0-3) — Prerequisite(s): BUS 691, BUS 692

This course provides a survey of recent theoretical advances in decision-making. Students in this course will develop an understanding of the theoretical foundations and applications of management science. The focus of the course is on deterministic modeling and includes topics such as linear programming, network and transportation models, simulation models, gaming theory. The emphasis of this course is on achieving a sound understanding of the fundamental theoretical models.

OPM 631 - Inventory Management (3-0-3) — Prerequisite(s): OPM 630

This course will provide an in-depth study of a variety of production and inventory control planning problems, the development of mathematical models corresponding to these problems, approaches to characterize solutions, and algorithm designs for finding solutions. We will cover deterministic as well as stochastic inventory models. The focus of the course will not be on practice but on theory.

OPM 632 - Production Planning and Control (3-0-3) — Prerequisite(s): OPM 630, OPM 631

This course provides students with an in-depth understanding of the different concepts, tools, and techniques to document, analyze, design, and improve the nature of a production system. The focus of this course is both understanding and designing production processes through learning and applying the concepts and techniques of manufacturing planning and control. Students will be introduced to quantitative techniques used in the analysis and control of production systems. Includes forecasting, operation planning, and scheduling. Students will become familiar with JIT, DMAIC, MRP, 5s and Six Sigma tools.

OPM 633 - Service Operations Design & Analysis (3-0-3) — Prerequisite(s): OPM 630, OPM 631

This course introduces a range of methods, tools and techniques used in order to improve processes in service businesses. Topics to be covered include demand management and forecasting, capacity planning, service quality management design of service processes and service facilities layout and location.

OPM 634 - Supply Chain Management (3-0-3) — Prerequisite(s): OPM 630, OPM 631

This course presents core knowledge related to the areas of logistics, distribution and warehousing management within supply chain operations. It provides deep insight into the key functional areas and complex activities required with moving goods through the supply chain from manufacturing to the end
customer. Students will also be introduced to a range of models and techniques for the management and analysis of logistics systems, warehouse, material handling, customers, production, inventory and orders.

OPM 635 - Seminars in Operations Management (3-0-3) — Prerequisite(s): OPM 630, 631, 632, 633, 634

The purpose of this series of seminars is to familiarize students with the current and emerging research topics in operations management through a selected set of articles, guest speakers and department faculty presentations.

RES 670: Real Estate Economics (3-0-3) — Prerequisite(s): Dept. Approval

The course begins with an overview of real estate sector, its capital, property markets and review of economic concepts. It will identify the economic fundamentals of real estate markets (real estate supply and demand, market equilibrium and short- and long-run adjustments to disequilibrium). The course then focuses on micro and macroeconomic analysis of real estate sectors.

RES 672 - Real Estate Finance and Investment (3-0-3) — Prerequisite(s): Dept. Approval, FIN 641

This course introduces the real estate markets and sources of real estate value. It provides and overview on financing alternatives, and real estate investment opportunities. The course also emphasizes on housing markets and international real estate investment and finance and give an understanding on the ownership of corporate property.

RES 673 - Real Estate Law and Transactions (3-0-3) — Prerequisite(s): FIN 641

This course will introduce the techniques of negotiations in real estate markets. It provides also an overview on the legal issues of real estate financing, the choice of entity, brokers and commercial transactions. The course gives an understanding on the real estate Law of contracts.

RES 674 - Real Estate and Urban Development (3-0-3) — Prerequisite(s): RES 670

The course provides an understanding of what drives real estate markets, and significance of population and demand factors. It introduces also career planning and urban land values and development. The course discusses social, economic, cultural, environmental and legal influences that affect real estate sector.

RES 675 - Financial Econometrics (3-0-3) — Prerequisite(s): BUS 691, BUS 692

Financial econometrics course aims to study quantitative problems arising from finance. It uses statistical techniques and economic theory to address a variety of problems from finance. These include building financial models, estimation and inferences of financial models, volatility estimation, risk management, and testing of financial and economic theory.

VISION

The program aspires to be a leading higher education platform for advancing knowledge and expertise in architecture and urbanism. With an emphasis on architecture as a prominent and effective contributor to societal progress, the program aims for excellence in teaching, research, and sustainable community development. The Master of Science in Architecture and Urbanism champions an applied scientific approach that brings together theory, design, engineering, environmental analytics, building technologies, digitalization, project management, urbanism, and culture. The program leverages the collaborative and multidisciplinary culture of Effat University to become a leader in contemporary architectural education and practice.

MISSION

The program prepares innovative future leaders in the fields of architecture and urban studies. It provides students with a wealth of scholarly resources represented in faculty expertise, library holdings, technology tools, community partnerships, and networking with global universities. Graduates of the Master of Science in Architecture and urbanism are qualified to take up senior and management positions in the private and public sectors in engineering consultancy firms, construction companies, research centers, universities, municipalities, and various government agencies.

Master of Science in Architecture and Urbanism (MSAU)

Program description

The Master of Science in Architecture and Urbanism (MSAU) degree is offered at Effat University, administered by the Architecture Department, and supervised by Effat College of Architecture and Design. The MSAU program constructs a common intellectual ground for architects, planners, designers, landscape architects, environmental designers, and graduates holding a bachelor's degree in Engineering, business and humanities who plan to practice architecture and urban design professionally, pursue a career in academia and research, or enhance and update their knowledge and experience as architects and urban designers. Towards the attainment of this objective, the program provides state-of-the-art knowledge of the architecture and urbanism techniques-and-procedures. The program's educational culture is to challenge students to reconsider architecture and urbanism within the contemporary context of economic, political, social, and environmental challenges that often designate today's agglomerations. The program amalgamates theoretical-based knowledge and practical-based knowledge that enable graduates to seize a competitive edge in the job markets through the multiple career opportunities that might be pursued.

Students at the MSAU program work in groups to handle larger assigned projects. Students themselves will form their teams based on academic interests and assigned design problems. By working in groups students are able to take on projects that would otherwise exceed the capabilities of a single person. This allows the students to get a deeper and broader understanding of the complexity of the studied problems while developing teamwork skills.

The MSAU program focuses on Problem Based Learning (PBL). The philosophy behind PBL is that the interaction between academic theory and

professional practice develops the students' ability to analyze and solve complex problems in a more independent and innovative manner. Naturally, students are also introduced to theories and

methods through lectures, courses, and workshops. In each semester, there is a significant project, in which the taught theories and methods are applied.

The MSAU program is based mainly on research so that students are offered the newest scientific knowledge. As a result, the students will be able to develop and present an individual graduation thesis on a topic of their choice.

Educational objectives

- Goal 1: Prepare professionals with theoretical and applied knowledge for leadership roles in architectural practice and effective participation in higher education.
- Goal 2: Spearhead the formulation of a sustainable development agenda for the region and the Kingdom of Saudi Arabia with graduates who master the knowledge and skills needed for effective leadership, management, and consulting roles in architecture, sustainable urbanism, and energy-efficient buildings.
- Goal 3: Provide high-level educational opportunities for a new generation of professionals who are abreast with cutting-edge developments in architecture and advanced building technologies.
- Goal 4: Encourage a multidisciplinary discourse that integrates spatial, social, cultural, economic, and urban development issues.
- Goal 5: Engage learners, educators, professionals, and the community at large in discussing the future of built environments and envisioning future improvements.
- Goal 6: Create an intellectual forum and conference opportunities for local and global higher education institutions to foster the exchange of knowledge, skills, and technological advancements in architecture and urbanism.
- Goal 7: Provide impetus and funding for research projects and publications in international refereed journals.
- Goal 8: Practice community design and urban development goals of environmental responsibility, social equity, and economic sustainability.

Learning outcomes

Students who successfully complete the Architecture program will be able to demonstrate the following abilities:

This section presents the learning outcomes of the MSAU program:

Knowledge and Understanding

1. MSAU-K1: Examine a broad range of knowledge areas in architecture with an emphasis on developing creative thinking and analytical design approaches.
2. MSAU-K2: Integrate critical thinking and interdisciplinary perspectives in researching theoretical and technical knowledge within architecture, urbanism, engineering, environmental science, and digital technologies.
3. MSAU-K3: Articulate literature gaps and evidence-based arguments for research proposals using applied research methodologies and a wide range of qualitative and quantitative data.

Skills

1. MSAU-S1: Synthesize architecture and urbanism theories with advanced technical knowledge of high-performance buildings, engineering systems, and digitization to evaluate and deliver solutions for real-world projects.
2. MSAU-S2: Develop creative design solutions to complex problems related to buildings and cities based on the critical review of appropriate theoretical knowledge and application of advanced technical skills.
3. MSAU-S3: Conduct a substantial research investigation employing advanced methodological and theoretical frameworks and writing a thesis with clear findings and scholarly contributions.
4. MSAU-S4: Communicate complex theoretical ideas and technical knowledge effectively through oral presentations and clear effective writing.

Values, Autonomy, and Responsibility

1. MSAU-V1: Demonstrate commitment to professional ethics, social responsibilities, environmental stewardship, and public safety and welfare.
2. MSAU-V2: Master individual and collaborative work on complex tasks and exercise leadership roles that navigate interpersonal situations with multiple worldviews.

Career opportunities

The MSc in Architecture and Urbanism program prepares students for effective intervention and development of both physical change and design proposals. Upon completion of the program, students will have developed the necessary skills and understanding to have a smart and positive impact in a variety of architectural design-based roles in both public and private areas.

Alternatively, with a Master of Science Degree in Architecture and Urbanism, students will have received adequate preparation to pursue a higher degree at the Doctoral level.

Graduates of MSAU will be well equipped to pursue careers as:

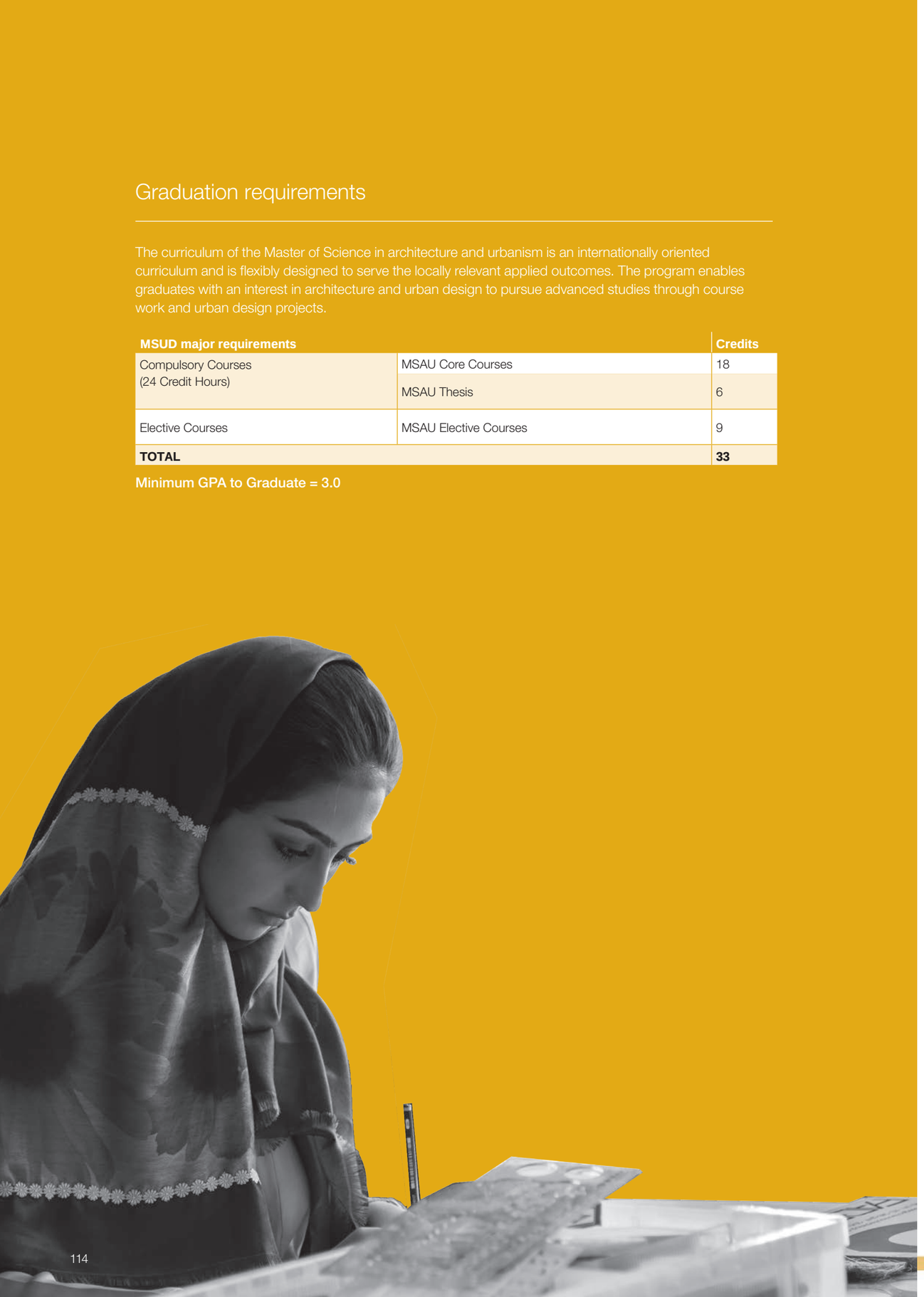
- Architects, urban designer practitioners, and project management roles for design processes.
- Architecture and urban field executioners at different private and public projects.
- Architecture and urban officials in municipalities, boroughs, townships, and governmental bodies as urban officers, urban officials, and urban managers.
- A career in academia as instructors and researchers.
- A career in governmental or private agencies.
- Town and transport planners and historic buildings inspectors/conservation officers.
- A career in professions related to urban development.
- Effective designers and advocates for development enterprises.
- Architectural technologist.
- BIM Coordinator.
- BIM Manager.
- Landscape Architect.
- Interior Architect.

Graduation requirements

The curriculum of the Master of Science in architecture and urbanism is an internationally oriented curriculum and is flexibly designed to serve the locally relevant applied outcomes. The program enables graduates with an interest in architecture and urban design to pursue advanced studies through course work and urban design projects.

MSUD major requirements		Credits
Compulsory Courses (24 Credit Hours)	MSAU Core Courses	18
	MSAU Thesis	6
Elective Courses	MSAU Elective Courses	9
TOTAL		**33**

Minimum GPA to Graduate = 3.0



Major Requirements

The curriculum of the Master of Science in architecture and urbanism is an internationally oriented curriculum and is flexibly designed to serve the locally relevant applied outcomes. The program enables graduates with an interest in architecture and urban design to pursue advanced studies through course work and urban design projects.

Core Courses Requirement: 24 Credit Hours

To fulfill graduation requirements, all students are required to complete 24 credit of core courses requirements:

Course no.	Course title	Prerequisite(s)	Credits
Major Core Requirements			
MSAU 610	Architecture and Urbanism - Theories and Debates	None	3-0-3
MSAU 611	Sustainable Architecture	None	3-0-3
MSAU 612	Advanced Research Methods	None	3-0-3
MSAU 613	Professional Design Studio	None	2-2-3
MSAU 614	Advanced Building Technology Systems and Enclosure	None	3-0-3
MSAU 615	Buildings and Cities of the Future	None	3-0-3

Thesis Courses Requirement: 6 Credit Hours

To fulfil graduation requirements, all students are required to complete 6 credit of thesis courses requirements:

Course no.	Course title	Prerequisite(s)	Credits
MSAU 690	Research Seminar	None	0-1-0
MSAU 691	MSAU Thesis	None	6-0-6

Elective Courses Requirement: 6 Credit Hours

To fulfil graduation requirements, all students are required to complete 6 credit of elective courses requirements:

Course no.	Course title	Prerequisite(s)	Credits
MSAU 620	Introduction to Representation	None	3-0-3
MSAU 621	Design and Human Behavior	None	3-0-3
MSAU 622	Architecture and Urban Digital Analysis Tools	None	2-2-3
MSAU 623	Fundamentals of City Management and Public Works	None	3-0-3
MSAU 624	Social and Cultural Issues in Design	None	3-0-3
MSAU 625	Urban Parks Planning and Management	None	3-0-3
MSAU 626	Computational Thinking & AI	None	2-2-3
MSAU 627	Vernacular Architecture Sustainability: Techniques and Materials	None	3-0-3
MSAU 628	Design and Construction Management	None	3-0-3
MSAU 629	Environmental Design of Buildings	MSAU 611	2-2-3
MSAU 630	Principles of Real Estate and Urban Economics	None	3-0-3
MSAU 631	Special Topics	None	3-0-3
MSAU 632	Conservation of Historic Districts	None	3-0-3
MSAU 633	History of Islamic Cities	None	3-0-3

Study plan

Semester 1

Course no.	Course title	Prerequisite(s)	Credits
MSAU 610	Architecture and Urbanism - Theories and Debates	None	3-0-3
MSAU 611	Sustainable Architecture	None	3-0-3
MSAU 612	Advanced Research Methods	None	3-0-3
TOTAL			**9**

Semester 2

Course no.	Course title	Prerequisite(s)	Credits
MSAU 613	Professional Design Studio	None	2-2-3
MSAU 614	Advanced Building Technology Systems and Enclosure	None	3-0-3
MSAU 615	Buildings and Cities of the Future	None	3-0-3
MSAU 690	Research Seminar	None	0-1-0
TOTAL			**9**

Semester 3

Course no.	Course title	Prerequisite(s)	Credits
MSAU 6XX	MSAU Elective -1	As per course	3
MSAU 6XX	MSAU Elective -2	As per course	3
MSAU 6XX	MSAU Elective -3	As per course	3
TOTAL			**9**

Semester 4

Course no.	Course title	Prerequisite(s)	Credits
MSAU 691	MSAU Thesis	MSAU 690	6-0-6
TOTAL			**6**

Course descriptions

Major core requirements

MSAU 610 Architecture and Urbanism - Theories and Debates (3-0-3) Prerequisite(s): None

This course is based on the premise that architecture is a cultural product embedding concepts, meanings, values, political economy, scientific prowess, and above all, an intellectual discourse and debate about the human condition. It deconstructs theories of architecture into five major streams of thought under the rubrics of pre-modern, modern, postmodern, contemporary, and future trajectory. The pre-modern stream spans millennia, and the course selectively examines significant architectural treatises from Vitruvius to Palladio up to the end of the nineteenth century. The modern theory discussions underline the decontextualization of architecture and the CIAM reinstatement of rationality and order guided by the logic of structure, materials, and technologies. This is followed by the eclectic collage of post-modernist building forms and city ideas attempting to reinvent architecture as a cultural and social artifact, albeit with modernist building vocabularies and materials. Contemporary trends in architecture oscillate between entrenched modernist or neo-modernist schemes and postmodernist emotional narratives as well as the digital disruptive forms of deconstruction. The course culminates with a critical discussion about the prospects of architecture theory and praxis in the twenty-first century. It challenges students to debate the intellectual discourse of architecture under the transformative impact of supercomputers, artificial intelligence, and innovative materials technologies mediated by an in-depth and critical consideration of social and cultural conditions.

MSAU 611 Sustainable Architecture (3-0-3) Prerequisite(s): None

This course provides an in-depth analytical exposition of the theories, principles, and strategies of sustainable buildings and cities. It examines the ecological considerations and existential implications of human settlement patterns on the local, regional, and global levels. The course integrates both conventional and cutting-edge building design and construction techniques as well as urban growth strategies that optimize human footprint, encourage resource conservation, and promote sustainable development. Course discussions encompass building performance systems and sustainability principles related to solar radiation, air quality, water, renewable energy, construction, life cycle, site design, transportation, infrastructure, and community planning. Students investigate sustainability rating systems and set green development criteria within the context of a broader range of environmental, social, economic, and cultural theories.

MSAU 612 Advanced Research Methods (3-0-3) Prerequisite(s): None

This course introduces students to the concepts, tools, and skills needed to conduct scientific research in architecture and urban design. Students are introduced to the various research methods and design. They learn how to prepare research objectives, rationale, and testable hypotheses, and collect and analyze data based on a comprehensive treatment of specific strategies for investigating the built form. The course also includes training in library use, archival research, on-line and electronic searching, print resources, and the application in a small semester research.

MSAU 613 Professional Design Studio (2-2-3) Prerequisite(s): None

This course will educate students about critical issues related to practicing architecture design in a global context. It allows students to perform in-depth analysis (quantitative and qualitative) of real-world projects and propose solutions either in the form of detailed architecture, urban design projects, or policy documents. Students are required to engage concerned stakeholders (communities, government agencies, and/or consulting firms) in defining the problems and potential development scenarios. They utilize the knowledge and skills developed in the program and collaborate to investigate well-defined architecture or urban design problems and provide comprehensive assessments leading to developing detailed design solutions and/or improvement guidelines. Students will be shown different digital representation techniques inherent throughout the architecture design process from site analysis, conceptual sketches, and design development to the presentation and validation phase. The course culminates in a jury composed of the program faculty and invited architects or urban design professionals.

MSAU 614 Advanced Building Technology Systems and Enclosure (3-0-3) Prerequisite(s): None

This course addresses advanced topics in structural systems, materials, building enclosure, and contemporary production technologies. It enhances students' creativity, analytical skills, and system considerations of structural components, facade materials, constructability, building envelope detailing, and related technical documentation. Students investigate gridded structures and facade systems through hands-on assignments that develop their skills in code compliance, environmental performance analysis, and design detailing for medium to large-scale buildings that integrate smart materials and technologies. The course provides students with opportunities to develop advanced critical thinking and problem-solving skills required in professional practice.

MSAU 615 Buildings and Cities of the Future (3-0-3) Prerequisite(s): None

This course provides an exposition of future building and city prototypes that challenge existing development patterns and envision smart cutting-edge technological solutions for the most pressing societal and environmental problems. It debates the impact of digital technologies on shaping the human experience inside and outside buildings through the introduction of an ecosystem of smart devices, wireless mesh networks, big data analytics, artificial intelligence, and IoT. The course challenges students to synthesize technological advancements in materials and systems engineering as well as digital communication networks to envision future prototypes for buildings and urban settlements. Issues raised in the course relate to but are not limited to smart homes and buildings, supertall structures, megacity projects, energy communities, mobility, and the metaverse world. Sustainable, resilient, and regenerative built environments as well as risks and threats associated with the deployment of smart technologies permeate the discussions of future building and city scenarios.

MSAU 691 MSAU Thesis (6-0-6) Prerequisite(s): MSAU 690

This course is a continuation of MSAU 690. Students will be engaged in research, or a research project related to architecture and/or urbanism based on their proposal and under the supervision of one or more faculty member. They are required to prepare a report indicating the problem statement, project/research overview, literature review and relevant case studies within the structured research design. They are also expected to prepare a presentation to show the progress of their research at various stages of the semester. Students are then required to implement their proposed design, prepare a final report, and present orally their work in the VIVA exam. There must be emphasis on critical understanding, logical reasoning, and structured writing, while adhering to standard referencing conventions and technical writing norms. This would conclude thesis in its final form.

Elective Requirements

MSAU 620 Introduction to Representation (2-2-3) Prerequisite(s): None

This course will provide students with an introduction to different representation tools. They will learn about the different basic tools that are necessary for architectural and urbanism background. Different software will be presented including but not limited to AutoCad, Revit and Sketch-up. This course is mainly designed for students with non-architecture or urbanism background to help them in the different visualizations and representations required in the core courses in this master.

MSAU 621 Design and Human Behavior (3-0-3) Prerequisite(s): None

This course examines significant theories concerning the symbiotic interaction of people and architecture in a systematic approach for applying behavioral insights to solve design challenges that center on human activity patterns and behavior. Students will reflect on complex human needs and synthesize relevant design responses to those needs as they influence the design of spaces, buildings, and cities and inspire human imagination. The course will foster students' curiosity to debate fundamental design determinants such as age and gender, anthropometrics and ergonomics, social parameters, and governmental laws and regulations, as contributors in defining the physical arrangement within the built environment. Students will integrate these attributes to help inform the design of projects ranging from housing to education, institutional to recreational, in order to satisfy the needs of the intended occupants and maximize the person-environment congruence.

MSAU 622 Architecture and Urban Digital Analysis Tools (2-2-3) Prerequisite(s): None

This course will offer students an overview of the importance of computer-related applications to architecture and urban design practice. Students will learn about the different digital analysis tools evaluating various dimensions of the built environment: spatial, functional, social, visual, and environmental. Thus, the students will be capable of assessing the built environment premises and proposing several development interventions.

MSAU 623 Fundamentals of City Management and Public Works (3-0-3) Prerequisite(s): None

This theoretical/practical course provides a hands-on overview of the Urban Public Works, including history, development, municipalities/ borough departments functions, careers opportunities and future trends in the domain of urban and city management. Field trips and project-based training are provided throughout the course trajectory. The course is designed to provide standardized academic and professional training for potential (and current) Saudi city's urban official.

MSAU 624 Social and Cultural Issues in Design (3-0-3) Prerequisite(s): None

The course aims to provide a deep understanding of the social and cultural issues in societies and their impact on design of the built environment. Issues of gender, class, ethnicity, values, habits, memories etc. are all examples of socio-cultural issues played out in everyday life. The course provides students with the necessary skills to develop a better understanding of how the social and cultural issues affect the built environment on different levels. To achieve this, the course presents theoretical and empirical studies focused on social and cultural dimensions of everyday life, analyzes, and discusses how social and cultural issues are visible or not in life, reflects over our own experiences of socio-cultural issues, practices cultural analysis methods for collecting data and practices methods to communicate/present them in a comprehensive way.

MSAU 625 Urban Parks Planning and Management (3-0-3) Prerequisite(s): None

This course introduces the planning and management dimensions of designed landscapes, particularly parks, recreation, and leisure landscape. It focuses on practices critical and essential to the care and management of urban parks. The course tackles the latest developments and challenges in the field of urban parks' planning and management, as well as the policies, strategies, principles, and effective practices of managing municipal parks. Parks, being functional and aesthetic spaces, designed for leisure, access or under conservation acts, are examined in this course, along with the interactions between their designs, people, decision makers, and management parties, with special focus on sustainability as the backdrop of these interactions. The course, moreover, highlights the socio-cultural, political, economic, environmental, and temporal dimensions of the management strategies, processes, and practices of urban landscapes. It introduces students to activities and responsibilities involved in the process of municipal parks planning and management, as assessment and funding. The course guides students to prepare strategic and management plans, in addition to specifications for efficient management tasks. The course is tailored for those who are currently or willing to be employed professionals in park and resource management and offers opportunities to engage with urban park managers.

MSAU 626 Computational Thinking & AI (2-2-3) Prerequisite(s): None

The Architecture, Engineering and Construction (AEC) industry evolves rapidly requiring computational skills and tools. This course fosters a dynamic, creative, and intellectually rigorous environment between 3 segments, the computational design mindset for designers and engineers along with digital fabrication part and the Artificial Intelligence in Architecture and Urban Design. At first, computational design principles, strategies and patterns are taught to build a roadmap for students to understand about future applications and emergent applied technologies. This course prepares student with a knowledge base and skills for parametric and Algorithmic Thinking coupling challenges of sustainability in design. Secondly, it equips students with digital manufacturing skills through manifold techniques and experimentations. Then, Artificial intelligence and machine learning approaches and algorithms are conveyed utilizing what was learnt from the first two segments. The course bridges between computational design and AI- algorithms through different architectures, and applications through an investigative approach.

MSAU 627 Vernacular Architecture Sustainability: Techniques and Materials (3-0-3) Prerequisite(s): None

This course introduces vernacular architecture to master studies, it explores the appreciation of vernacular architecture as an expression of local identity and indigenous traditions of the cultural histories of architecture. The definition of vernacular architecture, vernacular buildings as a historical potential, the structures, and crafts of manship in vernacular architecture are discussed. Conceptions of space and privacy, size, design, layout, and decoration influenced by local traditions are also tackled. Ideas about the social standing of the builders and owners are highlighted. The course also focuses on the relationship between vernacular and modern-global architecture. The students will study vernacular architecture and indigenous technology, which includes materials, construction, structure, environment, and comfort zone in the discourse of architectural sustainability. Roles and new implementation of structure systems and materials as emerging technology will be introduced, with an emphasis on the way that vernacular architecture has been constructed, represented, and consumed in its specific environments.

MSAU 628 Design and Construction Management (3-0-3) Prerequisite(s): None

The course provides a critical analysis of the nature, structure, organization, and professional ethics within architecture and related fields. It examines project delivery methods and documentation, regulatory requirements, the bidding process, contractual agreements, construction administration, and project commissioning. The course links professional practice in architecture with sound business planning, human resources management, budgeting and scheduling, negotiations, and conflict resolution, as well as stakeholders in the building industry and the legal context of property development.

MSAU 629 Environnemental Design of Buildings (2-2-3) Prerequisite(s): MSAU 611

This course introduces the students to the environmental design of buildings in theory and practice. Issues related to energy planning and design, simulations, solar geometry, and building envelop modeling, etc. A crucial concern in the design of the built environment is the need to minimize energy use whilst ensuring comfort and satisfaction of the users or occupants. A main theme of the course is comfort; the built environment is created to provide acceptable thermal, visual and acoustic comfort for the occupants. Often this can lead to high energy requirements, and the role of the environmental designer is to optimize, producing the best environment for the least energy. It also introduces the student to a number of investigative and analytical methods and techniques, including simulation, scale modeling, measurement, and survey. It will consider both physical and human perspectives of the built environment and draw on methods appropriate to both academic and practice-based investigations.

MSAU 630 Principles of Real Estate and Urban Economics (3-0-3) Prerequisite(s): None

This course introduces the students to the principles of real estate and urban economics. The course gives the students a solid introduction to cities as economic systems, structured around three topics: Real estate local, regional, and global economic systems, real estate development and management, and cities as commercial cultures and investment opportunities. The course focus is the interplay of these three topics in a way that expands the students' capacity to understand the investment process in the real estate business and the internal forces that control it. The course focuses on developing an understanding of the way in which the three topics affect and are affected by the macro and micro contextual economy. This understanding supports students' future professional work both in the form of architectural research design and investment management.

MSAU 631 Special Topics (3-0-3) Prerequisite(s): None

This course will present investigations of significant architectural issues offered by special arrangements based on departmental approvals. The domains include:

- Building Technology
- Environmental Studies and Sustainability
- Urban Studies

Any other relevant topics could be accepted based on Department Council approval.

MSAU 632 Conservation of Historic Districts (3-0-3) Prerequisite(s): None

This course presents and introduces a roadmap and framework to conserving, revitalizing, and developing areas of historic values in cities; “historic districts”. The course first introduces the basic principles of classifying and reading historic areas and districts through international charters and conventions. It then tackles and discusses the contemporary challenges to urban conservation and revitalization as social, cultural, economic, and administrative defiance. Through analysis and criticism of case studies and urban conservation projects in historic cities and districts, geared by theoretical fundamentals, principles, and strategies of conservation of historic districts, students will be able to devise and propose conservation or revitalization plans that take into account urban, environmental, social, cultural, economic and administrative contexts. Students taking this course will be qualified to assist in the research, conservation, and enhancement of the tangible and intangible environments of historic districts in cities, through enhancing research, analytical and prescriptive capabilities in conservation.

MSAU 633 History of Islamic Architecture and Urbanism (3-0-3) Prerequisite(s): None

This course examines Islam as an active historical and cultural force that generated a plethora of dynasties with distinct civilizational expressions that shaped every aspect of human activity and behavior, even the most mundane functions in every Islamic society. It offers an in-depth survey of the building typologies that embody these functions ranging from the religious to the secular realms including the places of worship, education, commerce, military, residence, and other architectural monuments that stand midway between the religious and the profane activity. The course analyses the urban, social, and political factors that formed the diversity of contexts, a stylistic and artistic vocabulary of Islamic architecture and significant cities in the East, West, and Central Islamic lands. The course triggers students to engage in analytical and critical assessments of Islamic heritage and encourages research in areas such as Islamic heritage preservation, the impact of rapid urbanization and modernization on Islamic cities and their architectural identities, contemporary Islamic architecture, and others.

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