ORIENTATION DAY

Architectural Engineering Introduction

DIFFERENCE BETWEEN ARCHITECTURE AND ARCHITECTURAL ENGINEERING

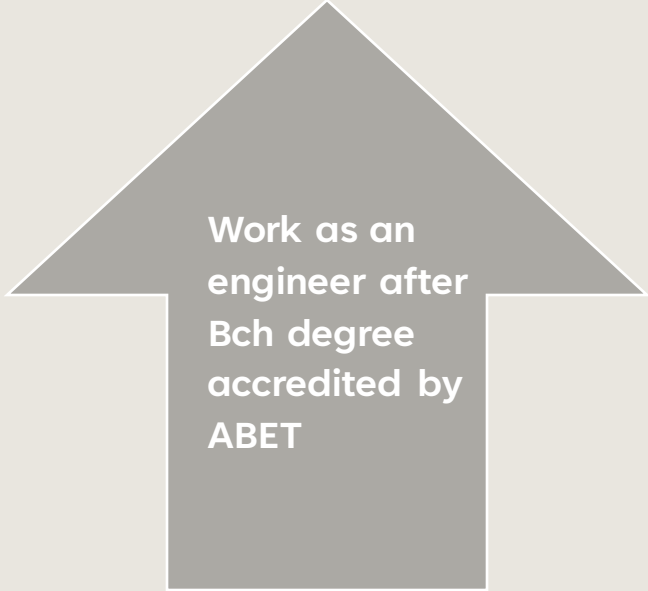| Architecture	Architectural Engineering
Architectural Engineering courses	Architectural Engineering courses
Studio courses	Science and math courses
Design courses with art aspects	Constructional design courses (mechanical, structural, acoustic...)
Architectural Electives	Architectural+ Engineering Electives

GRADUATE CAREER OPPORTUNITIES

The Bachelor of Science in Architectural Engineering (B.Sc.) program enables students to acquire the skills to work in any of the following fields:

- Architecture

- Building construction

- Urban design

- Property development

- Project management

- Environmental consulting
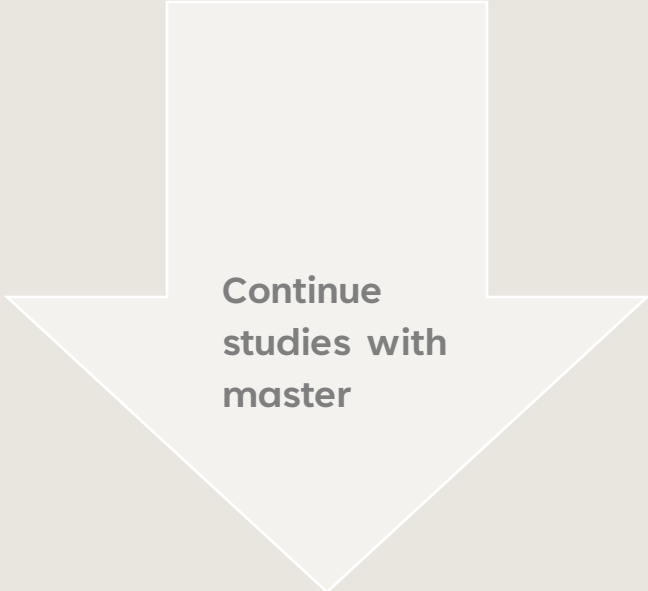
PROCEEDING AFTER GRADUATION

Work as an engineer after Bch degree accredited by ABET

If you will be providing services to the public, you'll need to be licensed.

How?

Prospective architectural engineers must first sit for the Fundamentals of Engineering examination.

Continue studies with master

Programs available include the Master of Architectural Engineering (MAE), Master of Science (MS) in Architectural Engineering and Doctor of Philosophy (PhD) in Architectural Engineering.

MS and PhD programs are typically research-oriented and require a thesis or dissertation. Advanced courses you may take in these programs including building automation systems, building communication systems, masonry design, and timber design.
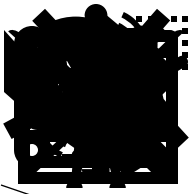
ATTAINED SKILLS

Skills for your CV

While studying architecture, you'll develop specific skills plus a range of transferable core skills that include:

- numeracy, design and drawing

- IT skills, e.g. computer-aided design (CAD)

- project management skills

- the ability to solve problems in an analytical, logical way

- the ability to work as part of a team

- written and oral communication in various settings

- research skills

- decision making ability

- adaptability and flexibility for dealing with unexpected situations where necessary

- the ability to reflect on, and improve, your professional performance.

where your degree would be useful ...ude:

•Building surveyor

•Commercial/residential surveyor

•Construction manager

•Estates manager

•Estimator

•Historic buildings inspector/conservation officer

•Landscape architect

•Planning and development surveyor

•Production designer, theatre/television/film
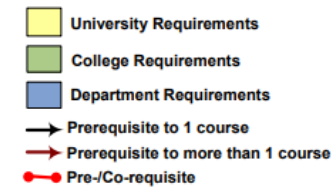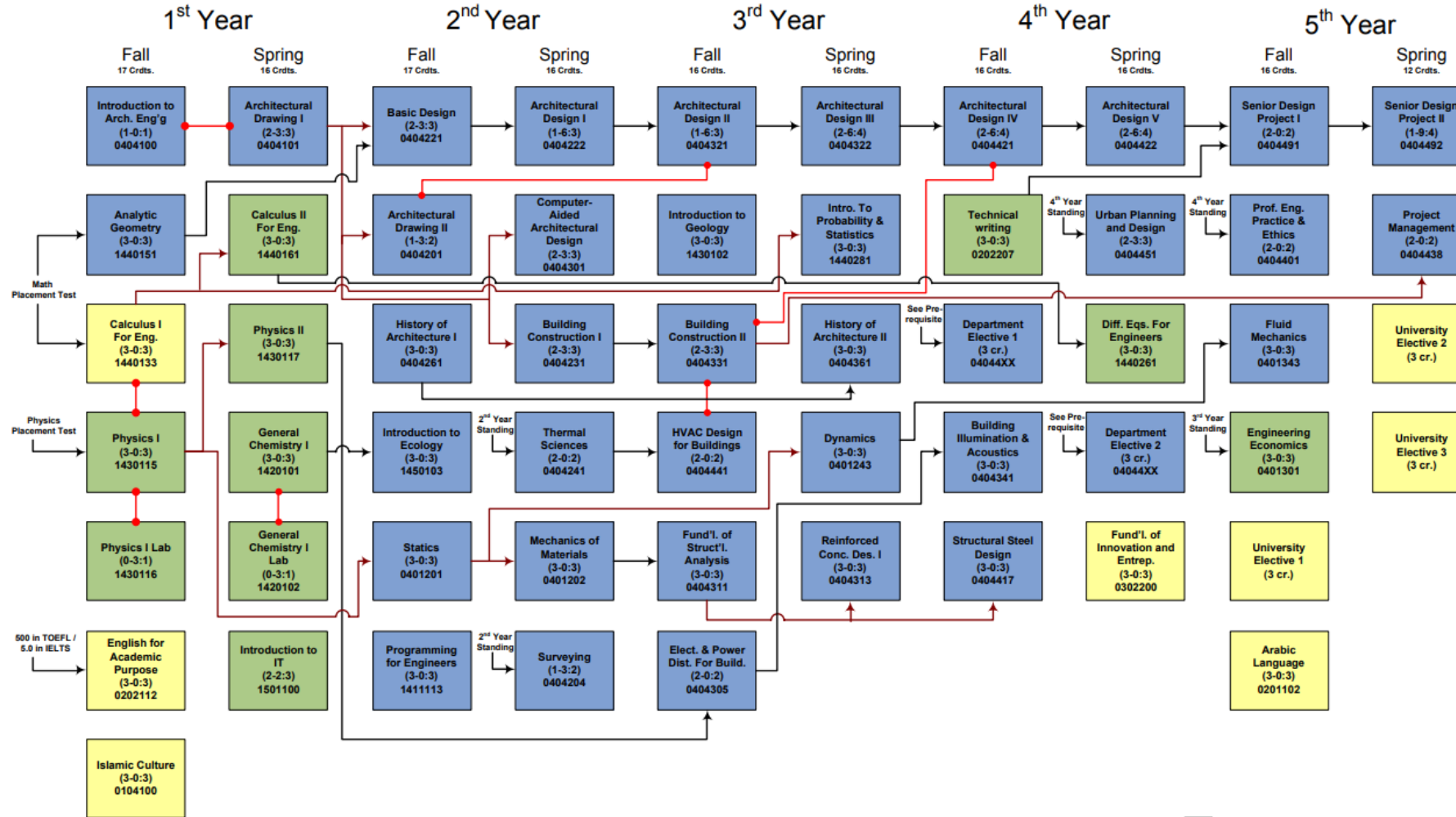
•Structural engineer

•VFX artist

Jobs directly related to your degree include:

•Architect

•Architectural technologist

•Building control surveyor

•CAD technician

•Fire risk assessor

•Interior and spatial designer

•Town planner

•Urban designer

JOB OPPURTINITIES

Architectural Engineering Study Plan 2021 - 2022

DESIGN STAGES

Briefly explain about each stage and the required programs recommended:

Drawing I → Basic Design → Design I → Design II → Design III → Design IV → Design V → Senior Design
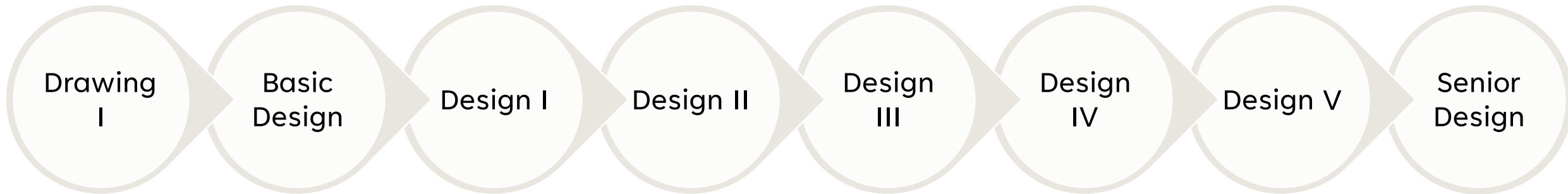
ARCHITECTURAL DESIGN PROGRAMS AND THEIR USES

- Best For 2D Drafting – Autodesk CAD

- Best For BIM and Team Working – Revit

- Best For 3D Architectural Animation – Lumion

- Best For Image Editing – Adobe Photoshop

- SketchUp

- Rhino 3D/Grasshopper

- 3Ds Max
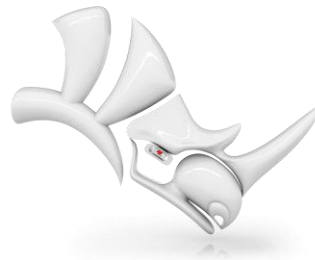
LAPTOP SPECIFICATIONS

Key Features:

Processor (CPU) – Inter Core i7 and higher

Processor Speed – >2.3 GHz

Graphics Card – (min 1080) NIVIDIA/Radeon 4GB (At least 2GB)

Screen Resolution – Your choice of having a small or big screen

Memory (Ram) – 16GB up to 32GB (8GB min)

Storage - 500 GB (SSD)

Operating System:

Windows 8 or higher (Windows 11 is out)

Mac – OS X 10.12 or later (12 is out)

Gaming Laptops:

With powerful specifications, detailed graphics and demanding requirements are maintained.

HP ZBOOK Studio G5

Asus ROG Zephyrus

Microsoft Surface Book 3

Dell Inspiration 13 7000

Lenovo ThinkPad P73
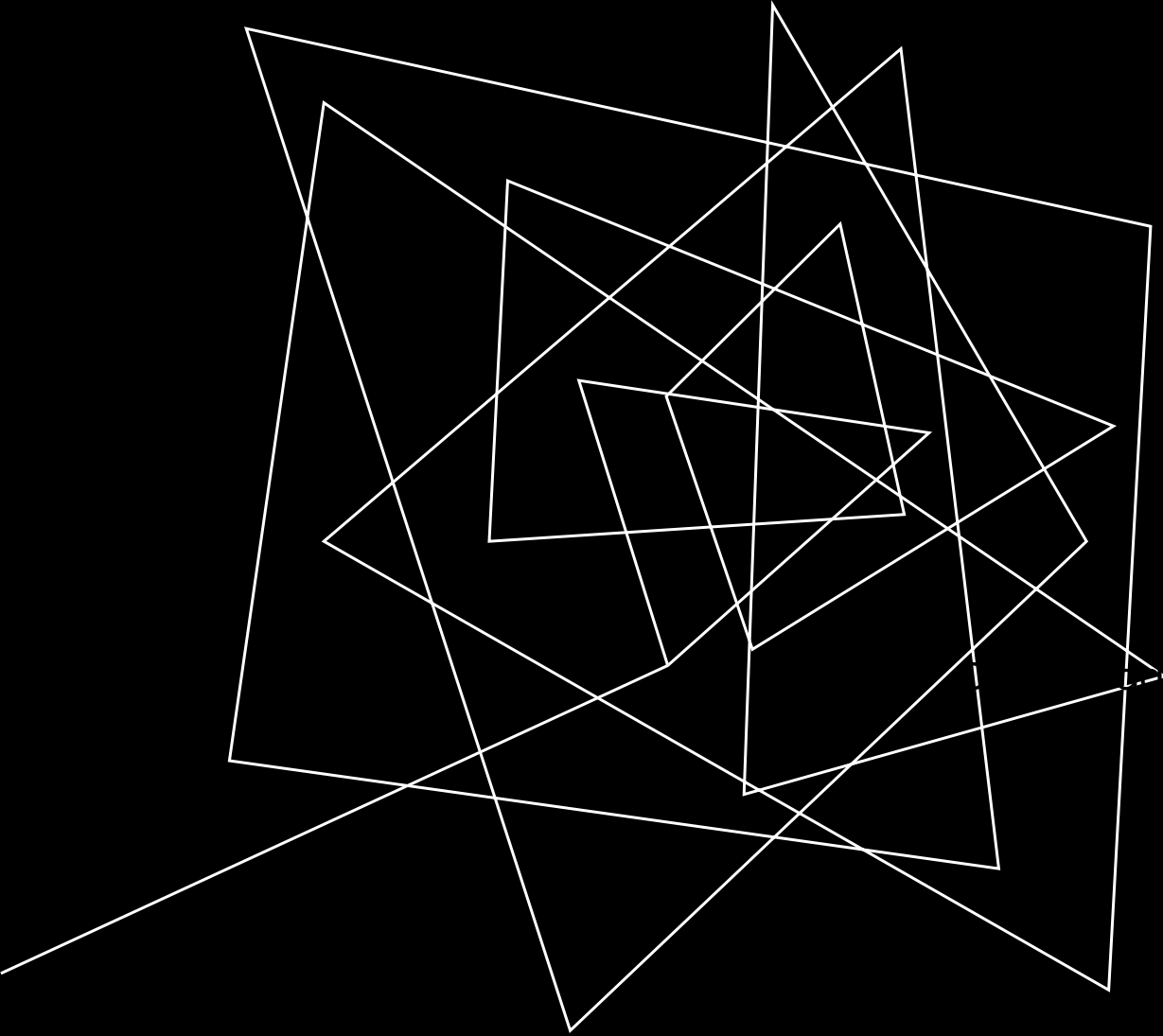
SASA INTRODUCTION

(SHARJAH ARCHITECTURALSTUDENT ASSOCIATION)

OUR AIM

"To position the Architectural Engineering Department as the top department in the University of Sharjah in terms of its educational and social life. To promote transparency, care and contribution in the Architectural Engineering Department."

PAST EVENTS

Breast Cancer Awareness

PAST EVENTS

VR/AR Workshop

PAST EVENTS

Design Workshop: Challenging Robots, by Dr. Aref & Ms. Marta.

PAST EVENTS

Trip : Midterms Recovery – IMG Worlds of Adventure.

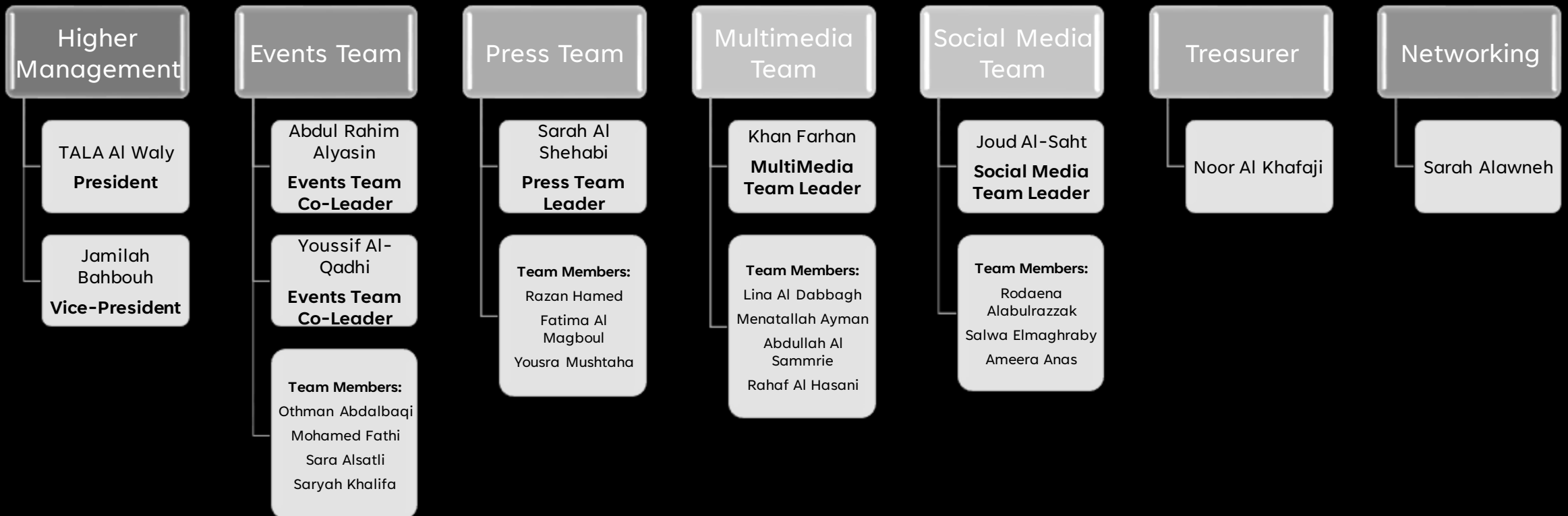# PAST EVENTS

Trip: Hatta kayak & BBQ day

MEET OUR TEAM

Higher Management

TALA Al Waly
President

Jamilah Bahbouh
Vice-President

Events Team

Abdul Rahim Alyasin
Events Team Co-Leader

Youssif Al-Qadhi
Events Team Co-Leader

Team Members:
Othman Abdalbaqi
Mohamed Fathi
Sara Alsatli
Saryah Khalifa

Press Team

Sarah Al Shehabi
Press Team Leader

Team Members:
Razan Hamed
Fatima Al Magboul
Yousra Mushtaha

Multimedia Team

Khan Farhan
MultiMedia Team Leader

Team Members:
Lina Al Dabbagh
Menatallah Ayman
Abdullah Al Sammrie
Rahaf Al Hasani

Social Media Team

Joud Al-Saht
Social Media Team Leader

Team Members:
Rodaena Alabulrazzak
Salwa Elmaghraby
Ameera Anas

Treasurer

Noor Al Khafaji

Networking

Sarah Alawneh

THANK YOU

For any inquiries, please be free to visit our sites for contact and further information.

Instagram	@SASA_UPDATES
Email	SASA@SHARJAH.AC.AE
Website	SASANEWS.WIXSITE.COM
Youtube	SASA- UOS