

MILITARY AND SECURITY
DIVISION





Military and Security Division

Divisional Mission

The Military and Security Division has a mission to provide the UAE Security Services of the Police and Armed Forces with exceptional graduates to become Officers and Leaders of character to meet the needs of the UAE Government now and in the future. The Division aims to produce graduates with a broad range of personal and professional competencies to prepare them to take their positions as leading and responsible citizens of the nation as well as specialist professionals within the UAE Security Services.

The Division aims to work in a delivery partnership with the UAE Police Force and UAE Defence Force to provide education for the future Officers of the Police and UAE Defence Force. The Division aims to provide programs that are a balanced blend of academic study and applied science and vocational practice. Graduates are able to use the education and applied competency practice to carry out their professional duties protecting the community and the nation.

Senior Staff

Executive Dean: **Dr. Hashim Al Zaabi**

Associate Dean (Aviation Science): **Dr. Stephen Rayner**

Associate Dean (Naval Science): **Dr Mahmood Rahi**

Program Chair (Police): **Dr. Ayman Mousa**

List of degrees offered

- Bachelor of Aviation Science
- Bachelor of Aviation Support
- Bachelor of Naval Science
- Diploma in Naval Science
- Diploma in Criminal Justice
- Diploma in Law Enforcement
- Diploma in Border Security Operation
- Diploma in Auditing and Discipline Policing

Khalifa Bin Zayed Air College

Bachelor of Aviation Science

Admission to program

This program is only open to Officer Cadets already employed by the UAE Armed Forces. Selection to the program is conducted annually by a committee nominated by the General Head Quarters of the Armed Forces (GHQ) in consultation with HCT. The entry requirements for the Bachelor of Aviation Science are jointly determined by the UAE Armed Forces and HCT to meet the requirements of the UAE Armed Forces as an employer and the standards for higher education as set by the CAA. Students wishing to take this program should apply to the UAE Armed Forces to enter employment with the UAE Armed Forces in the first instance.

Program Mission

Prepare future Officers as exceptional leaders of the UAE Armed Forces providing them with a sound understanding of military sciences, aero-sciences and flight in order for them to become professional military pilots on the international defence stage with a vision for the future, and an ethos of loyalty, obedience and dedication to the national duty.

Program Description

The Bachelor of Aviation Science Program prepares students for employment as an Officer in Military Aviation employed in a general or specialist Pilot position in the UAE Armed Forces.

The program provides training for general employment as an Officer or specific employment as a specialist through one of three concentrations:

- Fixed Wing Pilot
- Helicopter Pilot
- UAV Pilot

Program Learning Outcomes

In addition to the generic graduate outcomes related to the Bachelor graduates of the Higher Colleges of Technology, cadets, upon completion of the modified program, will be able to:

- PLO 1: Function in multidisciplinary teams and develop military leadership capabilities to support and conduct tactical military pilot operations.
- PLO 2: Communicate effectively and concisely military pilot ideas, directions and communications in written, oral and visual form.
- PLO 3: Identify, formulate, and solve scientific and operational problems encountered in the practice of

performing the role of a military pilot.

- PLO 4: Identify the latest military technology and supporting environmental and societal concepts to assist all aspects of military pilot operations.
- PLO 5: Interpret military orders and utilise supporting aviation data, principles and military technology to plan and execute military pilot operations.
- PLO6: Operate a range of military aviation equipment in the training environment.
- Area of Concentration PLOs:
- PLO 7 Fixed Wing Pilot: Pilot a fixed wing training aircraft on a range of Fixed Wing Military Training Missions.
- PLO 8 Helicopter Pilot: Pilot a rotary wing training aircraft on a range of Helicopter Military Training Missions.
- PLO 9 UAV Pilot: Pilot a UAV training aircraft and operate UAV Sensor Systems on a range of UAV Military Training Missions.

Completion Requirements

Students must successfully complete a minimum of 124 credits, including:	
Military Studies:	9 credits
Aviation Core:	55 credits
Aviation Electives:	27 credits
General Studies:	33 credits

Fixed Wing Pilot Concentration

Required courses: AVS 3133, AFT 4006, AFT 4015, AFT 4025, AFT 4101, AFT 4112, AFT 4202, AFT 4212, AFT 4221 from the Aviation Science Electives.

Helicopter Pilot Concentration

Required courses: AVS 3163, AVS 4003, HFT 4002, HFT 4013, HFT 4022, HFT 4103, HFT 4113, HFT 4122, HFT 4203, HFT 4212, HFT 4221 from the Aviation Science Electives

UAV Pilot Concentration

Required courses: AVS 3133, UAV 4003, UAV 4012, UAV 4022, UAV 4031, UAV 4041, UAV 4103, UAV 4113, UAV 4203, UAV 4213, UAV 4223 from the Aviation Science Electives

		Course Credits
Military Studies		
Required credits: 9		
MTS 1002	Leadership	2
MTS 1102	Staff Duties	2
MTS 1112	Topography	2
MTS 2103	Aircraft Weapons Systems	3
Aviation Core		
Required credits: 55		
AVS 1003	Aviation IT Systems	3
AVS 1013	Aviation Electric & Magnetic Fundamentals	3
AVS 1023	Aviation Calculus	3
AVS 2113	Meteorology I	3
AVS 2123	Principles of Flight	3
AVS 2133	Survival	3
AVS 2143	Aircraft Systems and Components	3
AVS 3003	Avionics	3
AVS 3013	Instruments	3
AVS 3023	Aero Engines	3
AVS 3033	Navigation	3
AVS 3042	Meteorology II	2
AVS 3103	Airmanship	3
AVS 3113	Aviation Safety	3
AVS 3123	Advanced Navigation	3
AVS 3143	Human Factors	3
AVS 4012	Aviation Physiology	2
AVS 4126	Project	6
General Studies		
Required credits: 33		
AES 1003	Emirati Studies	3
AES 1013	Arabic Communications I	3
AHM 1203	Aviation Physics	3
LSC 1103	Academic Reading & Writing I	3
LSC 1503	Academic Spoken Communication	3
LSC 2183	English For Special Purposes	3
LSC 2213	English For Leadership	3
LSM 1103	Technical Mathematics	3
LSS 1003	Life & Study Skills	3
LSS 1123	Basic Methods of Scientific Research & Development	3
LSS 2403	Innovation and Entrepreneurship	3

		Course Credits
Aviation Electives		
Required credits: 27		
AVS 3133	Aircraft Performance : Aeroplane	3
AVS 3163	Principles of Flight Helicopter	3
AVS 4003	Aircraft Performance : Helicopter	3
AFT 4006	Aeroplane Ground School Training	6
AFT 4015	Aeroplane General Handling Ground School	5
AFT 4025	Aeroplane General Handling Flying	5
AFT 4101	Aeroplane Instrument Flying Ground School	1
AFT 4112	Aeroplane Instrument Flying	2
AFT 4202	Aeroplane Navigation Flying Phase	2
AFT 4212	Aeroplane Formation Flying Phase	2
AFT 4221	Aeroplane Night Flying Phase	1
HFT 4002	Helicopter General Handling Ground School 1	2
HFT 4013	Helicopter General Handling Ground School 2	3
HFT 4022	Helicopter General Handling Basic	2
HFT 4103	Helicopter General Handling Advanced	3
HFT 4113	Helicopter Instrument Flying Ground School	3
HFT 4122	Helicopter Instrument Flying	2
HFT 4203	Helicopter Navigation	3
HFT 4212	Helicopter Night Flying	2
HFT 4221	Helicopter Mission Flying	1
UAV 4003	UAV Pilot Ground School	3
UAV 4012	UAV Pilot General Handling Ground School	2
UAV 4022	UAV Pilot General Handling Flying	2
UAV 4031	UAV Pilot Instrument Flying	1
UAV 4041	UAV Pilot Navigation Flying	1
UAV 4103	Unmanned Aircraft Operations	3
UAV 4113	Unmanned Vehicle Systems	3
UAV 4203	UAV Ground School	3
UAV 4213	Flight Simulation Training	3
UAV 4223	Flight Training	3
AVS 2153	Radar Systems	3
ADF 3103	Air and Space Power	3
ADF 4134	Aircraft Recognition	4
ADF 4112	Airspace Management	2

Recommended Sequence of Study

Bachelor of Aviation Science

Course Code	Course Title	Course Credits	Course Code	Course Title	Course Credits
Year 1 Semester 1 (all)			Year 1 Semester 3 (all)		
Required Credits: 8			Required Credits: 15		
AES 1013	Arabic Communications I	3	LSC 1103	Academic Reading & Writing I	3
MTS 1002	Leadership	2	LSC 1503	Academic Spoken Communication	3
LSS 1003	Life & Study Skills	3	LSH 2403	Innovation and Entrepreneurship	3
Year 1 Semester 2 (all)			Year 2 Semester 6		
Required Credits: 7			Required Credits: 18		
AES 1003	Emirati Studies	3	AVS 3003	Avionics	3
MTS 1102	Staff Duties	2	AVS 3013	Instruments	3
MTS 1112	Topography	2	AVS 3113	Aviation Safety	3
Year 2 Semester 4			Year 3 Semester 7		
Required Credits: 21			Required Credits:		
LSC 2183	English For Special Purposes	3	LSS 1123	Basic Methods of Scientific Research & Development	3
AHM 1203	Aviation Physics	3	AVS 4012	Aviation Physiology	2
AVS 1023	Aviation Calculus	3		Aviation Elective	
AVS 2143	Aircraft Systems and Components	3		Aviation Elective	
AVS 2113	Meteorology I	3		Aviation Elective	
AVS 2123	Principles of Flight	3			
AVS 2133	Survival	3			
Year 2 Semester 5			Year 3 Semester 8		
Required Credits: 20			Required Credits:		
LSC 2213	English For Leadership	3	AVS 4126	Project	
MTS 2103	Aircraft Weapons Systems	3		Aviation Elective	
AVS 1013	Aviation Electric & Magnetic Fundamentals	3		Aviation Elective	
AVS 3023	Aero Engines	3		Aviation Elective	
AVS 3103	Airmanship	3			
AVS 3033	Navigation	3			
AVS 3042	Meteorology II	2			
Year 3 Semester 9			Year 3 Semester 9		
Required Credits:			Required Credits:		
			AVS 4126	Project	3

Fixed Wing Pilot Concentration

Course Code	Course Title	Course Credits	Course Code	Course Title	Course Credits
Year 2 Semester 4			Year 2 Semester 6		
Required Credits: 21			Required Credits: 18		
LSC 2183	English For Special Purposes	3	AVS 3003	Avionics	3
AHM 1203	Aviation Physics	3	AVS 3013	Instruments	3
AVS 1023	Aviation Calculus	3	AVS 3113	Aviation Safety	3
AVS 2143	Aircraft Systems and Components	3	AVS 3123	Advanced Navigation	3
AVS 2113	Meteorology I	3	AVS 3133	Aircraft Performance : Aeroplane (Elective)	3
AVS 2123	Principles of Flight	3	AVS 3143	Human Factors	3
AVS 2133	Survival	3			
Year 2 Semester 5					
Required Credits: 20					
LSC 2213	English For Leadership	3			
MTS 2103	Aircraft Weapons Systems	3			
AVS 1013	Aviation Electric & Magnetic Fundamentals	3			
AVS 3023	Aero Engines	3			
AVS 3103	Airmanship	3			
AVS 3033	Navigation	3			
AVS 3042	Meteorology II	2			
Year 3 Semester 7			Year 3 Semester 9		
Required Credits: 16			Required Credits: 8		
LSS 1123	Basic Methods of Scientific Research & Development	3	AVS 4126	Project	3
AVS 4012	Aviation Physiology	2	AFT 4202	Aeroplane Navigation Flying Phase (Elective)	2
AFT 4006	Aeroplane Ground School Training (Elective)	6	AFT 4212	Aeroplane Formation Flying Phase (Elective)	2
AFT 4015	Aeroplane General Handling Ground School (Elective)	5	AFT 4221	Aeroplane Night Flying Phase (Elective)	1
Year 3 Semester 8					
Required Credits: 11					
AVS 4126	Project	3			
AFT 4025	Aeroplane General Handling Flying (Elective)	5			
AFT 4101	Aeroplane Instrument Flying Ground School (Elective)	1			
AFT 4112	Aeroplane Instrument Flying (Elective)	2			

Helicopter Pilot Concentration

Course Code	Course Title	Course Credits
Year 2 Semester 4		
Required Credits: 21		
LSC 2183	English For Special Purposes	3
AHM 1203	Aviation Physics	3
AVS 2143	Aircraft Systems and Components	3
AVS 1023	Aviation Calculus	3
AVS 2113	Meteorology I	3
AVS 2123	Principles of Flight	3
AVS 2133	Survival	3

Year 2 Semester 5		
Required Credits: 20		
LSC 2213	English For Leadership	3
MTS 2103	Aircraft Weapons Systems	3
AVS 1013	Aviation Electric & Magnetic Fundamentals	3
AVS 3023	Aero Engines	3
AVS 3103	Airmanship	3
AVS 3033	Navigation	3
AVS 3042	Meteorology II	2

Year 3 Semester 7		
Required Credits: 15		
LSS 1123	Basic Methods of Scientific Research & Development	3
AVS 4003	Aircraft Performance : Helicopter (Elective)	3
AVS 4012	Aviation Physiology	2
HFT 4002	Helicopter General Handling Ground School 1 (Elective)	2
HFT 4013	Helicopter General Handling Ground School 2 (Elective)	3
HFT 4022	Helicopter General Handling Basic (Elective)	2

Year 3 Semester 8		
Required Credits: 11		
AVS 4126	Project	3
HFT 4103	Helicopter General Handling Advanced (Elective)	3
HFT 4113	Helicopter Instrument Flying Ground School (Elective)	3
HFT 4122	Helicopter Instrument Flying (Elective)	2

Course Code	Course Title	Course Credits
Year 2 Semester 6		
Required Credits: 18		
AVS 3003	Avionics	3
AVS 3013	Instruments	3
AVS 3113	Aviation Safety	3
AVS 3123	Advanced Navigation	3
AVS 3163	Principles of Flight Helicopter (Elective)	3
AVS 3143	Human Factors	3

Year 3 Semester 9		
Required Credits: 9		
AVS 4126	Project	3
HFT 4203	Helicopter Navigation (Elective)	3
HFT 4212	Helicopter Night Flying (Elective)	2
HFT 4221	Helicopter Mission Flying (Elective)	1

UAV Pilot Concentration

Course Code	Course Title	Course Credits
Year 2 Semester 4		
Required Credits: 21		
LSC 2183	English For Special Purposes	3
AHM 1203	Aviation Physics	3
AVS 2143	Aircraft Systems and Components	3
AVS 1023	Aviation Calculus	3
AVS 2113	Meteorology I	3
AVS 2123	Principles of Flight	3
AVS 2133	Survival	3
Year 2 Semester 5		
Required Credits: 20		
LSC 2213	English For Leadership	3
MTS 2103	Aircraft Weapons Systems	3
AVS 1013	Aviation Electric & Magnetic Fundamentals	3
AVS 3023	Aero Engines	3
AVS 3103	Airmanship	3
AVS 3033	Navigation	3
AVS 3042	Meteorology II	2
Year 3 Semester 7		
Required Credits: 10		
LSS 1123	Basic Methods of Scientific Research & Development	3
AVS 4012	Aviation Physiology (Elective)	2
UAV 4003	UAV Pilot Ground School	3
UAV 4012	UAV Pilot General Handling Ground School	2
Year 3 Semester 8 (UAV Pilots)		
Required Credits: 13		
AVS 4126	Project	3
UAV 4022	UAV Pilot General Handling Flying (Elective)	2
UAV 4031	UAV Pilot Instrument Flying (Elective)	1
UAV 4041	UAV Pilot Navigation Flying (Elective)	1
UAV 4103	Unmanned Aircraft Operation (Elective)	3
UAV 4113	Unmanned Vehicle Systems (Elective)	3

Course Code	Course Title	Course Credits
Year 2 Semester 6		
Required Credits: 18		
AVS 3003	Avionics	3
AVS 3013	Instruments	3
AVS 3113	Aviation Safety	3
AVS 3123	Advanced Navigation	3
AVS 3133	Aircraft Performance : Aeroplane (Elective)	3
AVS 3143	Human Factors	3
Year 3 Semester 9		
Required Credits: 12		
AVS 4126	Project	3
UAV 4203	UAV Ground School (Elective)	3
UAV 4213	Flight Simulation Training (Elective)	3
UAV 4223	Flight Training (Elective)	3

Academic Staff

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Saleh Mohammed Awad, Bachelor of Art, Arabic Language & Islamic Studies, Cairo University

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Khalifa Bin Zayed Air College

Bachelor of Aviation Support

Admission to program

This program is only open to Officer Cadets already employed by the UAE Armed Forces. Selection to the program is conducted annually by a committee nominated by the General Head Quarters of the Armed Forces (GHQ) in consultation with HCT. The entry requirements for the Bachelor of Aviation Support is jointly determined by the UAE Armed Forces and HCT to meet the requirements of the UAE Armed Forces as an employer and the standards for higher education as set by the CAA. Students wishing to take this program should apply to the UAE Armed Forces to enter employment with the UAE Armed Forces in the first instance.

Program Mission

Prepare future Officers as exceptional leaders of the UAE Armed Forces providing them with a sound understanding of military sciences, aero-sciences, flight and aviation operations in order for them to become professional officers supporting aviation operations on the international defence stage with a vision for the future, and an ethos of loyalty, obedience and dedication to the national duty.

Program Description

The Bachelor of Aviation Support Program prepares students for employment as an Officer in Military Aviation employed in a general or specialist support position in the UAE Armed Forces.

The program provides training for general employment as an Officer in an Aviations Support or specialist Air Defence position. There is one Area of Concentration for the Bachelor of Aviation Support:

- **Air Defence Officer.**

Program Learning Outcomes

In addition to the generic graduate outcomes related to the Bachelor graduates of the Higher Colleges of Technology, cadets, upon completion of the modified program, will be able to:

- PLO 1: Function in multidisciplinary teams and develop military leadership capabilities to support and conduct tactical military operations.
- PLO 2: Communicate effectively and concisely military ideas, directions and communications in written, oral and visual form.
- PLO 3: Identify, formulate, and solve scientific and operational problems encountered in the practice of performing the role of a military aviation officer.
- PLO 4: Identify the latest military technology and supporting environmental and societal concepts to assist all aspects of military aviation operations.
- PLO 5: Interpret military orders and utilise supporting aviation data, principles and military technology to plan and execute military aviation operations.
- PLO 6: Operate a range of airborne and ground based military aviation equipment in the training environment.
- Area of Concentration PLOs:
- PLO 7 Air Defence: Plan and prepare to use Air Defence techniques and technologies on a range of aviation military training missions.

Completion Requirements

Students must successfully complete a minimum of 121 credits, including:	
Military Studies:	12 credits
Aviation Support Core:	51 credits
Aviation Support Electives:	25 credits
General Studies:	33 credits

Air Defence Officer Concentration

Required courses: AVS 2123, ADF 3003, ADF 3013, ADF 4003, ADF 4013, ADF 4123, ADF 4207 from the Aviation Science Electives

		Course Credits
Military Studies		
Required credits: 12		
MTS 1002	Leadership	2
MTS 1102	Staff Duties	2
MTS 1112	Topography	2
MTS 1123	Air Force History & Organisation	3
MTS 2103	Aircraft Weapons Systems	3
Aviation Support Core		
Required credits: 51		
AVS 1003	Aviation IT Systems	3
AVS 1013	Aviation Electric & Magnetic Fundamentals	3
AVS 1023	Aviation Calculus	3
AVS 2113	Meteorology I	3
AVS 2133	Survival	3
AVS 2153	Radar Systems	3
AVS 3033	Navigation	3
AVS 3083	Electrical Systems	3
AVS 3193	Aviation Law	3
AVS 3143	Human Factors	3
AVS 3153	Electronic Warfare Systems	3
AVS 3173	Missile Systems	3
ADF 3103	Air and Space Power	3
ADF 4112	Airspace Management	2
ADF 4134	Aircraft Recognition	4
AVS 4126	Project	6

		Course Credits
Aviation Support Electives		
Required credits: 25		
AVS 2123	Principles of Flight	3
ADF 3003	Air Defence Systems	3
ADF 3013	Air Defence Tactics	3
ADF 4003	Tactical Communications Systems	3
ADF 4013	Land Forces Organisation & Weapons	3
ADF 4123	Fighter Control	3
ADF 4207	Ground Based Air Defence Systems Operation	7
General Studies		
Required credits: 33		
AES 1003	Emirati Studies	3
AES 1013	Arabic Communications I	3
AHM 1203	Aviation Physics	3
LSC 1103	Academic Reading & Writing I	3
LSC 1503	Academic Spoken Communication	3
LSC 2183	English For Special Purposes	3
LSC 2213	English For Leadership	3
LSM 1103	Technical Mathematics	3
LSS 1003	Life & Study Skills	3
LSS 1123	Basic Methods of Scientific Research & Development	3
LSS 2403	Innovation and Entrepreneurship	3

Recommended Sequence of Study

Bachelor of Aviation Support

Course Code	Course Title	Course Credits	Course Code	Course Title	Course Credits
Year 1 Semester 1 (all)			Year 1 Semester 3 (all)		
Required Credits: 8			Required Credits: 18		
AES 1013	Arabic Communications I	3	LSC 1103	Academic Reading & Writing I	3
MTS 1002	Leadership	2	LSC 1503	Academic Spoken Communication	3
LSS 1003	Life & Study Skills	3	LSH 2403	Innovation and Entrepreneurship	3
			LSM 1103	Technical Mathematics	3
			AVS 1003	Aviation IT Systems	3
			MTS 1123	Air Force History & Organisation	3
Year 1 Semester 2 (all)					
Required Credits: 7					
AES 1003	Emirati Studies	3			
MTS 1102	Staff Duties	2			
MTS 1112	Topography	2			
Year 2 Semester 4			Year 2 Semester 6		
Required Credits: 18			Required Credits: 15		
LSC 2183	English For Special Purposes	3	AVS 3083	Electrical Systems	3
AHM 1203	Aviation Physics	3	AVS 3193	Aviation Law	3
MTS 2103	Aircraft Weapons Systems	3	AVS 3153	Electronic Warfare Systems	3
AVS 2113	Meteorology I	3	AVS 3173	Missile Systems	3
AVS 1023	Aviation Calculus	3	ADF 3103	Air & Space Power	3
AVS 2133	Survival	3			
Year 2 Semester 5					
Required Credits: 19					
LSC 2213	English For Leadership	3			
AVS 1013	Aviation Electric & Magnetic Fundamentals	3			
AVS 2153	Radar Systems	3			
AVS 3033	Navigation	3			
AVS 3143	Human Factors	3			
ADF 4134	Aircraft Recognition	4			

Air Defence Officer Concentration

Course Code	Course Title	Course Credits	Course Code	Course Title	Course Credits
Year 3 Semester 7			Year 3 Semester 9		
Required Credits: 12			Required Credits: 10		
LSS 1123	Basic Methods of Scientific Research & Development	3	AVS 4126	Project	3
AVS 2123	Principles of Flight (Elective)	3	ADF 4207	Ground Based Air Defence Systems Operations (Elective)	7
ADF 4003	Tactical Communications Systems (Elective)	3			
ADF 4013	Land Forces Organisation & Weapons (Elective)	3			
Year 3 Semester 8					
Required Credits: 14					
ADF 4112	Airspace Management	2			
ADF 3003	Air Defence Systems (Elective)	3			
ADF 3013	Air Defence Tactics (Elective)	3			
ADF 4123	Fighter Control (Elective)	3			
AVS 4126	Project	3			

Academic Staff

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Rashid Bin Saeed Al Maktoum Naval College

Bachelor in Naval Science

Admission to program

Admission to the program is conducted annually by a committee nominated by the General Head Quarters of the UAE Armed Forces (GHQ) in consultation with HCT. The number of cadets admitted to the Naval College is determined by the general policy of GHQ.

Program Mission

The program provides graduates with the scientific/ technological knowledge, communication and leadership skills required for the exploitation of the increasingly complex technologies involved in modern naval operations. The planned integration of curriculum is aimed at producing graduates with the necessary scientific, technical, communication and cognitive skills which will enable them to function effectively as naval officers, whilst ensuring that the HCT Graduate Outcomes for graduates of the Higher Colleges of Technology are met. The program will produce graduates capable of working as effective executive officers in the UAE Navy.

Program Description

The program has been designed to provide concurrent academic and military studies. When cadets are at the Naval College, the emphasis of their training will be on academic and professional studies to develop their intellectual capabilities, professional knowledge and vocational utility. The other important emphasis will be on military education and training to develop the qualities of character and leadership that are appropriate to officers in the UAE Naval Forces.

The program includes academic courses with naval relevance and focus, which are integrated with the professional courses and targeted specifically at the future executive officers of the UAE Navy. It provides cadets with the best possible combination of military knowledge, naval science, leadership and management skills and practical professional training.

To provide a broad base of academic skills and intellectual capacity, the program includes a general foundation of management, physics, mathematics, information technology, scientific and technical courses, in addition to fundamental courses in English language and effective communication.

These courses develop the naval students' ability to reflect on their personal performance and capability as professional naval officers. They will, in addition, develop awareness of

their nation and the world around them. Key communication skills, together with appropriate cognitive skills such as critical thinking and quantitative reasoning, will also be developed during the program.

To complete the cadets' development, the program provides a sequence of professional courses in naval sciences selected to equip them with the knowledge required to assume a leadership position in the UAE Naval Forces. The midshipmen training program works in conjunction with the professional naval courses to provide students with a diverse learning experience.

Students have the option to exit the program with a Diploma in Naval Science degree after completion of Semester 4 (see Completion Requirements below).

Program Goals

The aim of the program is to produce naval leaders of character and vision. Officers will ascribe to the College core values of integrity first, service before self, and excellence in all that they do. To that end, the curriculum is designed to ensure that each graduate enters the UAE Navy with the unique combination of education and professional skills required by a naval officer.

In addition to the generic graduate outcomes related to graduates of the Higher Colleges of Technology, naval students, upon completion of the program, will be able to:

- Demonstrate a knowledge base in marine science, navigation and technology, suitable for a career as a marine professional
- Employ the necessary seamanship, communication and navigation skills to safely operate military vessels
- Show appropriate officer-like qualities of discipline, leadership, management and physical fitness
- Deploy a range of scientific, technical, communication and transferable skills which will enhance their effectiveness in their chosen career
- Manage and reflect on their own work, lifelong-learning and professional development

Program Learning Outcomes

Bachelor of Naval Science graduates will be able to:

- Exhibit situation appreciation, analytical and leadership qualities. Display effective attitude and beliefs to perform the role of military commanders.
- Demonstrate the ability to make sensible operational decisions based on sound knowledge of naval equipment, machinery, weapons and sensors.
- Take decisions under various Naval Warfare and Operations to ensure safety of naval platforms.
- Demonstrate complete understanding of handling naval platforms Damage Control and NBCD states.
- Confidently exhibit navigation, communications, and operational skills in multi-platform, multi-threat naval scenarios.
- Demonstrate sound knowledge of Rules of Road, and Rules of Engagements at sea.

Completion Requirements

Students seeking the Bachelor of Naval Science degree must successfully complete a minimum of 132 credits, including:	
Naval Science and Engineering Core Courses	24 credits
Naval Professional Core Courses (Diploma Level)	31 credits
Midshipman Sea Training Courses	15 credits
Naval Professional Core Courses (Bachelor Level)	29 credits
General Studies	33 credits

Course Credits

Naval Science and Engineering Core Courses

Required Credits: 24

NSE 1003	Fluid Mechanics for Naval Applications	3
NSE 2003	Ship Electrical Technology	3
NSE 2013	Principles of Naval Sensors	3
NSE 2023	Maritime Environment and Law of the Sea	3
NSE 1013	Ship Structure and Damage Control I	3
NSE 2033	Ship Structure and Damage Control II	3
NSE 2043	Ship Propulsion I	3
NSE 2103	Ship Propulsion II	3

Naval Professional Core Courses Diploma Level

Required Credits: 31

NPS 2103	Naval Leadership and Management	3
NPS 2004	Seamanship I	4
NPS 2113	Seamanship II	3
NAV 1104	Navigation I	4
NAV 2004	Navigation II	4
NAV 2104	Navigation III	4
NWR 1103	Naval Warfare and Operations I	3
NWR 2103	Naval Warfare and Operations II	3
NPS 2013	Naval Communications	3

Course Credits

Midshipman Sea Training Courses

Required Credits: 15

NPS 3003	Midshipman Sea Time - Seamanship	3
NPS 3013	Midshipman Sea Time - Navigation	3
NPS 3023	Midshipman Sea Time - Naval Engineering	3
NPS 3033	Midshipman Sea Time - Naval Operations & Communications	3
NPS 3043	Midshipman Sea Time - Fleet Work Simulator	3

Naval Professional Core Courses - Bachelor Level

Required Credits: 29

NAV 4003	Navigation Team Training	3
NPS 4003	Bridge & Ship Systems	3
NAV 4014	Ocean Navigation	4
NAV 4023	Coastal Navigation	3
NAV 4033	Restricted Waters Navigation	3
NWR 4013	Bridge Warfare I	3
NWR 4003	Bridge Warfare II	3
NPS 4124	Communications & Intelligence	4
NPS 4133	Capstone Project	3

General Studies

Required Credits: 33

LSC 1103	Academic Reading and Writing I	3
LSC 2103	Academic Reading and Writing II	3
LSC 1503	Academic Spoken Communications	3
LSC 2183	English for Specific Purposes	3
AES 1013	Arabic Communications I	3
LSS 1003	Life and Study Skills	3
AES 1003	Emirati Studies	3
PHY 1103	Physics I	3
LSM 1103	Technical Mathematics	3
LSS 2403	Innovation & Entrepreneurship	3
LSS 1123	Basic Methods of Scientific Research and Development	3

Diploma in Naval Science Exit Option

Program Learning Outcomes

Diploma graduates will be able to:

- Demonstrate traits of sound discipline, leadership, decision making, intellectual curiosity, ability to communicate effectively, work in teams, and the knowledge and determination to uphold the values of UAE.
- Demonstrate sound knowledge of General Studies and Naval Science subjects as applied in Naval environments.
- Apply basic Navigation skills to ensure safe passage at sea. Recognise the navigational aids, their operation, and understand the maritime operating environments.
- Recognize seamanship gear and its operation in conduct of operations including anchor and cable work, rope work, boat work, berthing, replenishment, and search and rescue missions.
- Demonstrate a basic knowledge of naval warfare, operations and tactics including, general operations, above water warfare, underwater warfare and air warfare.

Completion Requirement

Students opting to exit the programme with a Diploma in Naval Science must successfully complete a minimum of 88 credits, including:	
Naval Science and Engineering Core Courses	24 credits
Naval Professional Core Courses (Diploma Level)	31 credits
General Studies Courses	33 credits

Recommended Sequence of Study

Bachelor in Naval Science

Year 1: Semesters I and II					
Course Code	Course Title	Course Credits	Course Code	Course Title	Course Credits
Semester I: Nov-Mar (16 weeks)			Semester II: Apr-Sep (20 weeks)		
Required Credits: 15			Required Credits: 22		
AES 1013	Arabic Communications I	3	AES 1003	Emirati Studies	3
LSC 1503	Academic Spoken Communication	3	NWR 1103	Naval Warfare and Operations I	3
LSM 1103	Technical Mathematics	3	NAV 1104	Navigation I	4
LSS 1003	Life and Study Skills	3	NSE 1003	Fluid Mechanics for Naval Applications	3
PHY 1103	Physics I	3	NSE 2003	Ship Electrical Technology	3
			NSE 1013	Ship Structure and Damage Control I	3
			LSC 1103	Academic Reading and Writing I	3

Year 2: Semester III and IV					
Semester III: Oct-Mar (20 weeks)			Semester IV: Apr-Sept (20 weeks)		
Required Credits: 26			Required Credits: 25		
NPS 2004	Seamanship I	4	NPS 2113	Seamanship II	3
LSC 2183	English for Specific Purposes	3	LSC 2103	Academic Reading and Writing II	3
LSS 2403	Innovation and Entrepreneurship	3	LSS 1123	Basic Methods of Scientific Research and Development	3
NPS 2013	Naval Communications	3	NPS 2103	Naval Leadership and Management	3
NAV 2004	Navigation II	4	NWR 2103	Naval Warfare and Operations II	3
NSE 2013	Principles of Naval Sensors	3	NAV 2104	Navigation III	4
NSE 2033	Ship Structure and Damage Control II	3	NSE 2023	Maritime Environment and Law of the Sea	3
NSE 2043	Ship Propulsion I	3	NSE 2103	Ship Propulsion II	3

Diploma in Naval Science Exit Option

At Sea Year 3: Semester V		
Semester V (Oct - March) - Midshipman Training		
Required Credits: 15		
NPS 3003	Midshipman Sea Time - Seamanship	3
NPS 3013	Midshipman Sea Time - Navigation	3
NPS 3023	Midshipman Sea Time - Naval Engineering	3
NPS 3033	Midshipman Sea Time - Naval Operations and Communications	3
NPS 3043	Midshipman Sea Time - Fleet Work Simulator	3

Semesters VI and VII (One Year at Naval Forces Institute)					
Semester VI			Semester VII		
Required Credits: 16			Required Credits: 13		
NAV 4014	Ocean Navigation	4	NAV 4003	Navigation Team Training	3
NAV 4023	Coastal Navigation	3	NPS 4124	Communications and Intelligence	4
NAV 4033	Restricted Waters Navigation	3	NWR 4003	Bridge Warfare II	3
NPS 4003	Bridge and Ship Systems	3	NPS 4133	Capstone Project	3
NWR 4013	Bridge Warfare I	3			

NB 1. Naval Science students carry out various non-credit bearing naval training tasks throughout.

NB 2. Due to simulator and instructor constraints, courses (designated 'modules') at the Naval Forces Institute (NFI) are not necessarily given in the order above. This is deemed acceptable since modules are not interdependent and each discrete module is associated with previous study in the same subject.

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Police College

Degrees Offered

- Diploma in Criminal Justice
- Diploma in Law Enforcement
- Diploma in Border Security Operation
- Diploma in Auditing and Discipline Policing

Admission to programs

These program are only open to employees of Abu Dhabi Police and related security departments. Selection to the program is conducted annually by Recruitment and Selection Department by the General Head Quarters of Abu Dhabi Police. The entry requirements for the Diploma programs is jointly determined by the Abu Dhabi Police and HCT to meet the requirements of police staff officer as an employer and the standards for higher education as set by the Commission for Academic Accreditation.

Program Mission

The programs will provide graduates with the skills and responsibility, basic knowledge of police communication and leadership skills required by modern police operations, this will enable them to function effectively as staff police officers within Abu Dhabi Police.

Program Descriptions

The programs are designed to develop core business and policing skills, responsibilities, and competencies following the Abu Dhabi Police Dictionary of Competencies and are aligned to the National Qualifications Framework. The programs provide hands-on training as staff officers in the relevant field departments.

Program Learning Outcomes

In addition to the generic graduate outcomes related to the Diploma graduates of the Higher Colleges of Technology, students, upon completion of the programs, will be able to:

- Function with the basic competencies to undertake the tasks, duties and responsibilities of Law Enforcement officer operations.
- Communicate effectively and concisely base in relevant criminal law procedures as best Law Enforcement professional practise.
- Identify, Security operational rules and solving problems encountered in the practice of performing the role of Law Enforcement officer according to police code of conducts and values.
- Operate tasks, Law Enforcement supporting technology systems and social security aspects.

Completion Requirements

Diploma in Criminal Justice	
Diploma in Law Enforcement	
Diploma in Police Auditing and Discipline	
Students must successfully complete a minimum of 60 semester credits including:	
Security Studies Core Courses:	15 credits.
Security studies Electives:	6 credits
Diploma Major Core courses:	12 credits
Work Experience:	9 credits
General Studies:	18 credits

Diploma in Border Security Operation	
Students must successfully complete a minimum of 63 semester credits including:	
Security Studies Core Courses:	15 credits.
Security studies Electives:	6 credits
Diploma Major Core courses:	15 credits
Work Experience:	9 credits
General Studies:	18 credits

		Course Credits
Security Studies Core Courses (compulsory)		
Required Credits: 24 (Work Experience is included)		
MAS 1003	Introduction to Law	3
PST 1003	Criminal Law	3
PST1023	Criminal Procedure	3
PST 1043	Police Skills & Responsibility	3
PST 1133	Traffic Law	3
PST 2009	Work Experience	9

		Course Credits
Security Studies Electives		
Required Credits: 6		
PST 1033	Infantry Police And Practice	3
PST 1103	Weapon Science And Practice	3
PST 1123	Official Correspondence & Computer Skills	3
PST 1153	Maintaining Public Order	3
PST 2003	Performance Appraisal	3
PCJ 2023	Project Management for Law Enforcement	3
PST 2033	Islamic Culture	3
MAS 2133	Human Rights	3

		Course Credits
Diploma in Criminal justice Core Courses		
Required Credits: 12		
PCJ 2003	Law & Procedure of Evidence	3
PCJ 2033	Criminal Investigations	3
PCJ 2043	Community Policing	3
PCJ 2053	Special Criminal Legislation	3

		Course Credits
Diploma in Law Enforcement Core Courses		
Required Credits: 12		
PLE 2013	Management Punitive and Correctional Establishments	3
PLE 2053	Introduction to Criminology	3
PLE 2103	Management and Police Skills	3
PLE 2113	Police Applications and System Practise	3

		Course Credits
Diploma in Border Security Operations Core Courses		
Required Credits: 15		
BSO 2003	Basic Airport Security I	3
BSO 2013	Aviation Safety and Security	3
BSO 2023	UAE Aviation Law And International Treaties	3
BSO 2103	Residence and Foreigners Affairs Procedures	3
BSO 2113	Quality Control (Airport Security Audit and Inspection)	3

		Course Credits
Diploma in Auditing and Discipline Policing Core Courses		
Required Credits: 12		
PAD 2003	Basic of police audit and discipline	3
PAD 2013	Audit Inspection & Investigation	3
PAD 2103	Operational Auditing (tool, mothed)	3
PST 2013	Security Awareness	3

		Course Credits
General Studies		
Required Credits: 18		
AES 1003	Emirati Studies	3
AES 3003	Proccessional Arabic	3
LSC 2183	English For Specific Purposes	3
LSS 1003	Life & Study Skills	3
LSS 2403	Innovation and Entrepreneurship	3
LSS 2533	Research Methods	3

Recommended Sequence of Study

Diploma in Criminal Justice

Course Code	Course Title	Course Credits
Year 1 Semester 1		
Total Credits: 15		
AES 1003	Emirati Studies (GS)	3
AES 3003	Processional Arabic (GS)	3
LSS 2533	Research Methods (GS)	3
MAS 1003	Introduction to Law (CC)	3
PST 1043	Police Skills & Responsibility	3
Year 2 Semester 1		
Total Credits: 18		
PCJ 2033	Criminal Investigations I (CJ)	3
PCJ 2053	Special Criminal Legislation (CJ)	3
PST 1003	Criminal Law (CC)	3
PST 2009	Work Experience (CC)	9

Course Code	Course Title	Course Credits
Year 1 Semester 2		
Total Credits: 15		
LSS 1003	Life & Study Skills (GS)	3
PST 1023	Criminal Procedure (CC)	3
PST 1133	Traffic Law (CC)	3
LSC 2183	English For Specific Purposes (GS)	3
LSS 2403	Innovation and Entrepreneurship (GS)	3
Year 2 Semester 2		
Total Credits: 12		
PCJ 2003	Law & Procedure of Evidence)	3
PCJ 2043	Community Policing (CJ)	3
PST XXXX	Elective Course	3
PST XXXX	Elective Course	3

Diploma in Law Enforcement

Course Code	Course Title	Course Credits
Year 1 Semester 1		
Total Credits: 15		
AES 1003	Emirati Studies (GS)	3
AES 3003	Processional Arabic (GS)	3
PST 1043	Police Skills & Responsibility	3
LSS 2533	Research Methods (GS)	3
Year 2 Semester 1		
Total Credits: 18		
PST 1003	Criminal Law (CC)	3
PST 2009	Work Experience (CC)	9
PLE 2013	Management Punitive and Correctional Establishments(LE)	3
PLE 2053	Introduction to Criminology(LE)	3

Course Code	Course Title	Course Credits
Year 1 Semester 2		
Total Credits: 15		
PST 1133	Traffic Law (CC)	3
PST 1023	Criminal Procedure (CC)	3
LSC 2183	English For Specific Purposes (GS)	3
LSS 2403	Innovation and Entrepreneurship (GS)	3
LSS 1003	Life & Study Skills (GS)	3
Year 2 Semester 2		
Total Credits: 12		
PLE 2103	Management and Police Skills (LE)	3
PLE 2113	Police Applications and System Practice (LE)	3
PST XXXX	Elective Course	3
PST XXXX	Elective Course	3

Diploma in Police Auditing and Discipline

Course Code	Course Title	Course Credits	Course Code	Course Title	Course Credits
Year 1 Semester 1			Year 1 Semester 2		
Total Credits: 15			Total Credits: 15		
MAS 1003	Introduction to Law (CC)	3	PST 1133	Traffic Law (CC)	3
PST 1043	Police Skills & Responsibility	3	PST 1023	Criminal Procedure (CC)	3
LSS 2533	Research Methods (GS)	3	LSC 2183	English For Specific Purposes (GS)	3
AES 1003	Emirati Studies (GS)	3	LSS 2403	Innovation and Entrepreneurship (GS)	3
AES 3003	Processional Arabic (GS)	3	LSS 1003	Life & Study Skills (GS)	3
Year 2 Semester 1			Year 2 Semester 2		
Total Credits: 18			Total Credits: 12		
PAD 2003	Basic of police audit and discipline(AP)	3	PAD 2013	Audit Inspection & Investigation (AP)	3
PST 2013	Security Awareness(AP)	3	PAD 2103	Operational Auditing (tool, Method) (AP)	3
PST 1003	Criminal Law (CC)	3	PST XXXX	Elective Course	3
PST 2009	Work Experience (CC)	9	PST XXXX	Elective Course	3

Diploma in Border Security Operations

Course Code	Course Title	Course Credits	Course Code	Course Title	Course Credits
Year 1 Semester 1			Year 1 Semester 2		
Total Credits: 15			Total Credits: 15		
MAS 1003	Introduction to Law (CC)	3	PST 1133	Traffic Law (CC)	3
PST 1043	Police Skills & Responsibility	3	PST 1023	Criminal Procedure (CC)	3
LSS 2533	Research Methods (GS)	3	LSC 2183	English For Specific Purposes (GS)	3
AES 1003	Emirati Studies (GS)	3	LSS 2403	Innovation and Entrepreneurship (GS)	3
AES 3003	Processional Arabic (GS)	3	LSS 1003	Life & Study Skills (GS)	3
Year 2 Semester 1			Year 2 Semester 2		
Total Credits: 18			Total Credits: 15		
BSO 2003	Basic Airport Security I (BS)	3	BSO 2023	UAE Aviation Law And International Treaties(BS)	3
BSO 2013	Aviation Safety and Security(BS)	3	BSO 2103	Residence and Foreigners Affairs Procedures(BS)	3
PST 1003	Criminal Law (CC)	3	BSO 2113	Quality Control (Airport Security Audit and Inspection) (BS)	3
PST 2009	Work Experience (CC)	9	PST XXXX	Elective Course	3
		3	PST XXXX	Elective Course	3

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