

Cadet Aviation Classifications Syllabus - Reference: ACTO 01	
First Class Cadet	
	<p>Description The following elements are included in this introduction to Cadet Training: The ATC, the RAF, History of Flight, Principles of Airmanship, Map Reading, Initial Expedition Training, Basic Radio Communications and Drill</p> <p>Assessment First Class Cadet Logbook</p> <p>Eligibility Junior Cadet</p>
Leading Cadet	
	<p>Description Intermediate training in the following subjects: Airmanship Knowledge, Principles of Flight and Basic Navigation Using Map & Compass</p> <p>Assessment Utlilearn online assessment</p> <p>Eligibility First Class Cadet</p>
Senior Cadet	
	<p>Description Advanced aviation training, to include any 3 subjects: Air Navigation, Pilot Navigation, Aircraft Handling & Flying Techniques, Airframes, Piston Engine Propulsion, Jet Engine Propulsion, Rocketry, Military Aircraft Systems, Principles of Air Power, Radio & Radar, Satellite & Data Communications and Avionics & Aircraft Electrical Systems</p> <p>Assessment Utlilearn online assessment</p> <p>Eligibility Leading Cadet</p>
Master Air Cadet	
	<p>Description Specialist aviation training, to include any 3 subjects not undertaken at Senior Cadet: Air Navigation, Pilot Navigation, Aircraft Handling & Flying Techniques, Airframes, Piston Engine Propulsion, Jet Engine Propulsion, Rocketry, Military Aircraft Systems, Principles of Air Power, Radio & Radar, Satellite & Data Communications and Avionics & Aircraft Electrical Systems</p> <p>Assessment Utlilearn online assessment</p> <p>Eligibility Senior Cadet</p>
Instructor Cadet	
	<p>Description This trains a cadet to be able to deliver lessons to other cadets on their squadron</p> <p>Assessment Pass Methods of Instruction Course. Deliver lessons</p> <p>Eligibility Master Air Cadet</p>

Shooting and Marksmanship - Reference: ACP 18													
Shooting and Marksmanship Badges													
There are 4 sets of badges available within the shooting and marksmanship syllabus: Blue - Air Rifle Bronze - Small-Bore Rifle Silver - L98-A2 Service Rifle Gold - L81-A2 Target Rifle													
Trained Shot Badge													
	<p>Description This indicates a cadet has become competent in safely handling and firing a weapon.</p> <p>Eligibility Awarded upon completion of: Weapon Lessons, Weapon Handling Test, Initial Live Fire Lessons</p>												
Marksman Badge													
	<p>Description This encourages participation in shooting and progression through the Live Fire Lessons.</p> <p>Eligibility Achieved Trained Shot Badge, completed required lessons.</p> <p>Standards Achieved the required standard out of the highest possible score of 200.</p>												
Advanced Marksman Badge													
	<p>Description This encourages further participation in shooting to develop a higher level of marksmanship.</p> <p>Eligibility Achieved Trained Shot Badge, completed required lessons. Marksman for L98 complete further Live Fire Lessons.</p> <p>Standards Achieved the required standard out of the highest possible score of 200.</p>												
Competition Marksman Badge													
	<p>Description This provides a further challenge through participation in National shooting competitions</p> <p>Eligibility Achieved Advanced Marksmanship Badge. Compete in a National shooting competition.</p> <p>Competitions Cadets who participate in the following competitions, having successfully completed the required Live Fire Lessons on the weapon system, will be eligible for the Competition Marksman Badge.</p> <table border="1"> <thead> <tr> <th>Blue Air Rifle</th> <th>Bronze Small-Bore Rifle</th> <th>Silver L98-A2 Service Rifle</th> <th>Gold L81-A2 Target Rifle</th> </tr> </thead> <tbody> <tr> <td>ATC Postal Comps</td> <td>ATC Postal Comps</td> <td>CISSAM</td> <td>ISCRM</td> </tr> <tr> <td>CCRS Postal Comps</td> <td>CCRS Postal Comps</td> <td>CCRS Postal Comps</td> <td>CCRS Postal Comps</td> </tr> </tbody> </table>	Blue Air Rifle	Bronze Small-Bore Rifle	Silver L98-A2 Service Rifle	Gold L81-A2 Target Rifle	ATC Postal Comps	ATC Postal Comps	CISSAM	ISCRM	CCRS Postal Comps	CCRS Postal Comps	CCRS Postal Comps	CCRS Postal Comps
Blue Air Rifle	Bronze Small-Bore Rifle	Silver L98-A2 Service Rifle	Gold L81-A2 Target Rifle										
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CCRS Postal Comps	CCRS Postal Comps	CCRS Postal Comps	CCRS Postal Comps										

Leadership - Reference: ACTO 85	
Cadet Foundation Leadership Blue Badge	
	<p>Description and content This training is an introduction to the principles of leadership and covers how to use the SMEAC (Situation, Mission, Execution, Any Questions, Check Understanding) to brief a group of cadets and then put this into practice by successfully leading 2 approved leadership exercises</p> <ul style="list-style-type: none"> Complete the leadership theory test. Complete 2 leadership exercises where the delivery and understanding of leadership can be assessed <p>Eligibility Enrolled cadet with a minimum of 3 months attendance</p>
Cadet Basic Leadership Bronze Badge	
	<p>Description and content This training aims to provide leadership activities to be undertaken with cadets from other Squadrons</p> <p>Programme Delivery The Cadet Basic Leadership Bronze syllabus will be available from July 2017</p> <p>Eligibility Achieved Cadet Foundation Leadership Blue Badge</p>
Cadet Intermediate Leadership Silver Badge	
	<p>Description and content This training aims to introduce a higher level of theory and practical ability during leadership exercises</p> <p>Programme Delivery The Cadet Intermediate Leadership Silver syllabus will be available from July 2017</p> <p>Eligibility Achieved Cadet Basic Leadership Bronze Badge.</p>
Cadet Advanced Leadership Gold Badge	
	<p>Description and content This training aims to deliver a challenging leadership programme that produces a higher level of competency and develops the potential for leadership instructors</p> <ul style="list-style-type: none"> Complete the Air Cadet Leadership Course (AACL) Complete the Junior Leaders' Course (JLC) Complete a HQAC led advanced leadership course <p>Eligibility Achieved Cadet Intermediate Leadership Silver Badge or be a direct entrant to the Air Cadet Leadership Course (AACL) or Junior Leaders' Course (JLC)</p>

Badge Placement - Reference AP1358C

Only 1 badge for each award is to be worn.
The position allocated for each badge is to remain the same.
If no badge is awarded, the space should not be filled by another badge.
Higher level awards are to take precedence over any lower level awards achieved.
Only 1 flying and 1 gliding badge should be worn on the left shoulder patch of the jumper.



Progressive Training Syllabus 2017



RAF Air Cadets 2020 Strategy
The delivery of a modern and dynamic Progressive Training Syllabus is an essential element of the RAF Air Cadets 2020 Strategy. This aims to deliver a sustainable air-minded youth organisation of choice that offers fun and challenging opportunities to young people and develops citizens with valuable skills for the future.

Progressive Training Syllabus Objectives
The new Progressive Training Syllabus has been designed to allow all cadets to engage with a wide variety of training activities from the day they join the RAF Air Cadets. Advancement through a series of progressive awards at blue, bronze, silver and gold levels aims to provide opportunities to enhance skills and achieve nationally recognised qualifications and awards, whilst at the same time, building confidence and developing teamwork and leadership qualities. All new cadets will undertake training within the First Class Cadet syllabus and this allows blue level awards and badges to be achieved in a variety of subjects including; Basic Radio Operator and Cyber Awareness, Heartstart First Aid, Foundation Level Leadership and a pre-Duke of Edinburgh's Award. Additional badges are available for air rifle shooting and a musicians badge can be awarded if a cadet has a recognised music board examination at Grade 3 level. Flying and Gliding Aviation Training Packages are available from the age of 13 years and 3 months and blue wings will be presented once the elements of ground school, Part Task Trainer and airborne sorties are completed.

Once a blue badge has been awarded, cadets can engage in further levels of the Progressive Training Syllabus which allows them to maintain a positive level of engagement with training and provides a focus on achievement throughout their time as a cadet. The highest awards at gold level recognise significant levels of achievement and some are linked to instructor qualifications or nationally recognised awards. These include; Instructor First Aid, Cyber Specialist, National Musician, Advanced Leadership, Competition Marksman, Pilot Scholarship and gliding to solo standard.

Blue Badge Logbook
The aim of the logbook is to identify the blue level awards from the Progressive Training Syllabus that can be achieved either during First Class Cadet Training or at any other time during a cadet's service.

Transition
Existing cadets who have already achieved a badge from the old training syllabus will be eligible to receive the new equivalent badge awarded from the Progressive Training Syllabus. Cadets who have achieved a gliding badge from the old syllabus will be allowed to continue to wear this until they progress further within the Aviation Training Package. The Duke of Edinburgh's Award badges will be smaller and will move from the jumper to the Brassard.

New badges will be made available at various stages throughout 2017. The transition from old badges to new badges should be completed by 01 April 2018.

Aviation and Gliding - Reference: ACTO 32	
Aviation Training Package (Blue ATP) Blue Wings	
	<p>Description and Content The Blue ATP introduces cadets to aeronautical concepts including the primary and further effects of controls, lift vectors and airfield procedures. There are 4 elements to the training:</p> <ol style="list-style-type: none"> Cadet Aviation Familiarisation Course (FAM) Ground school Part Task Trainer (PTT) Airborne sortie(s) at an Air Experience Flight (AEF) for A Wings or Airborne sortie(s) at a Volunteer Gliding School (VGS) for G Wings
	<p>Eligibility</p> <ul style="list-style-type: none"> Minimum age of 13 years and 3 months Medically fit for airborne sorties
Aviation Training Package (Bronze ATP) Bronze Wings	
	<p>Description and Content Following on from the Blue ATP, there are 3 elements to this training to further develop aviation knowledge:</p> <ol style="list-style-type: none"> Ground school elements will revise primary effects of control and introduce attitude maintenance and selection and cockpit drills PTT training will focus on trimming, normal approach and circuit, undershooting and overshooting approaches Airborne sorties at an AEF will demonstrate FRC drills, datum attitude and stability, medium turns and the approach and landing for A Wings or Airborne sorties at a VGS will demonstrate FRC drills, datum attitude and stability, medium turns and the approach and landing for G Wings
	<p>Eligibility</p> <ul style="list-style-type: none"> Minimum age of 15 years Completed Blue ATP Medically fit for airborne sorties

Gliding - Reference: ACTO 32

Gliding Scholarship (SGS) Silver Wings



Description and Content
The Silver SGS provides the opportunity to fly a glider to solo standard. There are 4 elements to the training:

1. Knowledge of primary effects
2. Development of skills including straight glide, medium turns, approach, landing, stalling and circuits
3. Pre-solo check
4. Solo flight

Eligibility

- Minimum age of 16 years
- Completed Bronze ATP
- Complete a selection process
- Medically fit for solo flying

Gliding Training (GWGT) Gold Wings

Description and Content
The Gold GWGT is divided into 2 elements:

- Part 1 will revise previous techniques of handling, stall prevention, circuits and launch failures. Additional training will focus on the use of FLARM, a full height winch launch, sortie management and circuit re-joins and advanced turning and landing. This will all be consolidated with a further 5 solo circuits
- Part 2 will broaden flying experience by teaching one or more thermal soaring techniques and consolidate with 2 further 30 minute solo sorties

Eligibility

- Flight Staff Cadets (FSC) appointed to a VGS

Aviation - Reference: ACTO 34 / ACTO 36

Air Cadets Pilot Navigation Training Scheme (ACPNTS) Silver Wing



Description and Content
The Silver ACPNTS provides 8 hours of flying training at an Air Experience Flight (AEF) There are 2 elements to this training:

1. Experience aspects of applied Service flying
2. Experience aspects of applied Service navigation

Eligibility

- Minimum age of 18 years
- GCSE Grade C or above in English Language and Mathematics, or equivalent
- Achieved the Air Navigation subject in the Cadet Aviation Training Syllabus, or assessed by an AEF instructor

Air Cadets Pilot Scholarship (ACPS) Gold Wings

Air Cadets Air Experience Flight Course (ACAFC) Gold Wings

Description and Content
The Gold ACPS provides 12 hours of flying training in a single engine piston aircraft

- Training completed at a civilian flying training school accredited by the Central Flying School (CFS)
- Training has the potential to lead to a first solo flight
- The Gold ACAFC course provides 10 hours of flying training at an RAF Air Experience Flight (AEF)
- Cadets will experience aspects of applied Service flying, including advanced handling and low level flying

Eligibility

- Minimum age of 16 years for ACPS
- Minimum age of 18 years for ACAFC
- GCSE Grade C or above in English Language and Mathematics, or equivalent
- Silver Wings Gliding Scholarship (SGS) to solo standard is desirable

Duke of Edinburgh's Award - Reference: ACTO 74

ACO Pre-Duke of Edinburgh's Award Blue Badge



Description This is an Air Cadet award that can be completed by those cadets who are not yet old enough to start the Bronze Duke of Edinburgh's Award. There are 4 Sections to complete.

Volunteering Section Attend 75% of Sqn parade nights over a 3 month period and participate in a fund raising, charitable or community event or project.

Skill Section Complete 1 of the following First Class Cadet subjects: Principles of Airmanship. Map Reading. Basic Radio Communications.

Physical Section Select any 3 of the approved physical tests and show improvement over a 3 month period.

Expedition Section Complete the First Class Cadet Initial Expedition Training.

Eligibility Any cadet.

Duke of Edinburgh's Bronze Award

Description Complete all 4 sections with a further 3 months in either the Volunteering, Physical or Skills section.								
<table border="1"> <tr> <th>Volunteering</th> <th>Skills</th> <th>Physical</th> <th>Expedition</th> </tr> <tr> <td>3 months</td> <td>3 months</td> <td>3 months</td> <td>2 days/1 night</td> </tr> </table>	Volunteering	Skills	Physical	Expedition	3 months	3 months	3 months	2 days/1 night
Volunteering	Skills	Physical	Expedition					
3 months	3 months	3 months	2 days/1 night					
Eligibility Minimum age of 14 years or Year 9 in England or equivalent in Scotland								

Duke of Edinburgh's Silver Award

Description Complete all 4 sections. For Direct Entrants a further 6 months must be completed in either the Volunteering or the longer of the Physical or Skill section								
<table border="1"> <tr> <th>Volunteering</th> <th>Skills</th> <th>Physical</th> <th>Expedition</th> </tr> <tr> <td>6 months</td> <td>One for 6 months and the other for 3 months</td> <td></td> <td>3 days/2 nights</td> </tr> </table>	Volunteering	Skills	Physical	Expedition	6 months	One for 6 months and the other for 3 months		3 days/2 nights
Volunteering	Skills	Physical	Expedition					
6 months	One for 6 months and the other for 3 months		3 days/2 nights					
Eligibility Minimum age of 15 years or Year 10 in England or equivalent in Scotland								

Duke of Edinburgh's Gold Award

Description Complete all 4 sections. For Direct Entrants a further 6 months must be completed in either the Volunteering or the longer of the Physical or Skill section								
<table border="1"> <tr> <th>Volunteering</th> <th>Skills</th> <th>Physical</th> <th>Expedition</th> </tr> <tr> <td>12 months</td> <td>One for 12 months and the other for 6 months</td> <td></td> <td>4 days/3 nights</td> </tr> </table>	Volunteering	Skills	Physical	Expedition	12 months	One for 12 months and the other for 6 months		4 days/3 nights
Volunteering	Skills	Physical	Expedition					
12 months	One for 12 months and the other for 6 months		4 days/3 nights					
Residential Undertake a shared activity in a residential setting away from home for 5 days and 4 nights								
Eligibility Minimum age of 16 years								

Musician - Reference: ACTO 123

Musician Blue Badge



Description
Awarded on the basis of musical ability

Eligibility
Play an instrument to the required standard. This can include singing or being a member of a choir.

There are 3 ways to qualify for a Blue Musician Badge:

- Pass a recognised music board examination at grade 3 (practical)
- Provide an expert witness testimony (for example a school music teacher) to state that an instrument can be played to grade 3 standard
- Assessment by a competent person to state that music ability has been demonstrated

Wing Musician Bronze Badge



Description
Awarded for Wing musical representation

Eligibility
Achieved Blue Musician Badge

Regional Musician Silver Badge



Description
Awarded for Regional musical representation

Eligibility
Achieved Blue or Bronze Musician Badge

National Musician Gold Badge



Description
Awarded for National music representation.

Eligibility
Achieved Blue, Bronze or Silver Musician Badge

For National Piper complete an ACF Annual Pipes and Drums Concentration and performance at Inverness and Dingwall

First Aid - Reference: ACTO 8

Heartstart Blue Badge



Description The blue Heartstart badge is the introduction to First Aid in the Air Cadet Organisation. The award is an initiative coordinated by the British Heart Foundation (BHF) to promote and develop Emergency Life Support (ELS)

The training will be delivered over 2-hours

Eligibility Any cadet

Youth First Aid Bronze Badge



Description The aim of this award is to provide enhanced first aid training. The qualification is valid for 3-years.

The training will be delivered over 12-hours

Eligibility Achieved Heartstart Blue Badge

Activity First Aid Silver Badge



Description The aim of this award is to provide comprehensive first aid training. The qualification is equivalent to First Aid at Work. The training will be delivered over 18-hours.

Eligibility Achieved Youth First Aid Bronze Badge

Instructor First Aid Gold Badge



Description This award provides training that will allow a cadet to become an instructor and assessor for Youth First Aid

Eligibility Minimum age of 16 years. Master Air Cadet or above who has achieved Activity First Aid Silver Badge

Road Marching - Reference: ACP17 ACATI 18

Road Marching Bronze Badge



Description The Bronze Road Marching Badge is awarded for completing 2 days of road marching at recognised events

Eligibility Complete one of the following 2-day marches: RAFWARMA 2-Day March, Scottish Garelochhead 2-Day March, International Waendel Walk, The Forces March / The Cadet Challenge, Langport Walking Festival. Other events will be considered on written application to the Nijmegen Marches Registration Officer Assistant.

Road Marching Silver Badge



Description Awarded for completing 4 days of road marching at recognised events

Eligibility Complete one of the following 4-day marches: The Forces March, Ijzer March (Belgium), Dodendocht (Belgium). Other events will be considered on written application to the Nijmegen Marches Registration Officer Assistant.

Road Marching Gold Badge - Nijmegen



Description Awarded for completing 2 days of road marching at a qualifying event and 4 days of road marching during the Nijmegen International 4-Day Marches

Eligibility Minimum age of 16 years. Complete one of the following qualifying events: RAF WARMA 2-Day March, Scottish Garelochhead 2-Day March, another qualifying event authorised in advance by the BMC NMRO / NMRA. Complete the Nijmegen International 4-Day March (Holland)

Basic Radio Operator and Cyber Awareness - Reference: ACTO 73

Basic Radio Operator and Cyber Awareness Blue Badge



Description and content The Blue badge is an introduction to the competent use a radio for general administrative duties and small exercises where the use of correct procedures must be demonstrated. There is also a requirement to watch the introduction to Cyber Security video that looks at; online footprints, texting, sexting and cyber bullying

- Complete the Basic Radio Communications subject at First Class Cadet level
- Demonstrate the competent use of a radio for communications
- Watch the introduction to Cyber Security video

Eligibility Any cadet

Radio Specialist - Reference: ACTO 73

Radio Operator Bronze Badge



Description and content The aim is to give a cadet the skills required to be a radio operator for a flight of cadets during an exercise

- Complete the Radio Operator training package
- Pass the Radio Operator theory examination
- Pass the Radio Operator practical assessment

Eligibility Achieved the Basic Radio Operator and Cyber Awareness Blue Badge

Radio Communicator Silver Badge



Description and content Following on from the Radio Operator Bronze Badge, the following training aims to develop the skills required to run a network control station during a radio led exercise and further develop communication skills:

- Complete the Advanced Radio Operator module
- Complete 1 of the following:
 1. Amateur Radio Foundation Qualification. This is a nationally recognised civilian certificate in radio operating and basic radio engineering
 2. Radio Data Communications. This module teaches cadets how to transmit data long distances over the radio
 3. Local & Wide Area Networks. This teaches cadets how to build and configure a computer network for a home or small office

Eligibility Achieved the Radio Operator Bronze Badge

Radio Communications Specialist Gold Badge



Description and content This training aims to develop the skills required to build a complete radio station, either in a building or in the field. There are two modules within this training: Technical Skills and Radio Deployment.

- Complete a Residential course delivered by HQ Air Cadets
(This can be delegated to Regions to teach and assess where suitable facilities and qualified staff are available)

Eligibility Achieved the Radio Communicator Silver Badge

Cyber Specialist - Reference: ACTO 71

Cyber Foundation Bronze Badge



Description and content This training aims to develop the skills and knowledge required to understand and protect oneself from the dangers inherent in modern information and communication technology. Complete a 1 day introduction to Cyber communications course

Eligibility Achieved the Basic Radio Operator and Cyber Awareness Blue Badge

Cyber Specialist Silver Badge



Description and content This training aims to develop the skills required to creatively use information and communication technology in a responsible, competent and confident way.

Complete a 2 day course with the following key learning objectives;

1. Understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
2. Analyse problems and have practical experience of writing computer programs in order to solve these problems
3. Evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems

Eligibility Achieved the Cyber Foundation Bronze Badge

Advanced Cyber Specialist Gold Badge



Description and content This training aims to develop the skills required to protect networks from intrusion and test those networks using Penetration Testing techniques

- Pass the Local and Wide Area Networking course by self-study of the training material, if not already achieved
- Complete a one week residential Cyber course at either No1 Radio School at RAF Cosford or by an industry partner

Eligibility Achieved either the Radio Communicator Specialist Silver Badge or the Cyber Specialist Silver Badge

Parachuting - Reference: ACTO 54

Air Cadet Parachuting Badge



Description The Air Cadet Parachuting Course takes place at The Force Development Training Centre at RAF Weston-on-the-Green

There are 2 elements to the training:

1. Ground school
2. Static-line parachute jump

Eligibility Minimum age of 16 years, maximum weight limit of 96kg, medically fit to undertake training and must become a member of the British Parachuting Association before undertaking any training