

## SCOPE OF PRACTICE: YEAR BY YEAR

Each year of the programme builds on your learning, introducing new skills and development of key areas to ensure you are a confident autonomous professional by the end of the course.

### AMBULANCE PRACTICE-BASED LEARNING

Scope of Practice for QMU Learners All clinical skills are to be practiced under supervision after completion of learning in QMU clinical practice modules.	Year 1 Expected minimum level of practice: <b>Assisted</b>		Year 2 Expected minimum level of practice: <b>Minimal Supervision</b>		Year 3 Expected minimum level of practice: <b>Safe and Effective</b> by final placement	
	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2
Occupational health screening, enhanced PVG disclosure, manual handling training (generic & in ambulance service), SIPCEP (infection control), data protection						
Baseline Observations including BM						
Preparation of medications (not morphine or midazolam)						
Understanding of preparation of Oral, rectal, buccal, S.C., Sublingual or IM medications <i>in technician and paramedic scope of practice.</i> * Student cannot administer any drug; they can do all necessary tasks until the point of actual administration.						
Understanding of administration of Oral, buccal, rectal, Sublingual, S.C., IM, I.V. I.O. medications <i>in technician scope of practice</i> * Student cannot administer any drug; they can do all necessary tasks until the point of actual administration						
Paramedic pharmacology						
Perform Basic life support with AED						
Perform intermediate life support (including manual defibrillation) across the lifespan						
Assessment of an adult Patient (Including ABCDE and basic history) recognise abnormal findings of vital observations.						
Assessment and management of a medical adult patient.						
Recognition of common medical pathologies in adults						
Accurate placement of defibrillator pads						
Basic cardiac arrest rhythm recognition + Sinus rhythms + ST elevation/depression <b>only recognise that the ST segment is abnormal in 1<sup>st</sup> year.</b>						
Basic Airway Management (up to and including supraglottic airways)						

Introduction to immobilisation and haemorrhage control		Blue	Orange	Orange	Green	Green
Assessment of a paediatric patient (Including ABCDE and history)		Blue	Orange	Orange		
Treatment and management of paediatric patients			Orange	Orange		
Paediatric Basic Life Support		Blue	Orange	Orange		
Paediatric Advanced Life Support			Orange	Orange		
Assessment of a trauma patient (Including ABCDE and history)		Blue	Orange	Orange		
Treatment and management of trauma patients				Orange		
Traumatic Advanced Life Support				Orange		
Assessment of the obstetric patient (Including ABCDE and history)		Blue	Orange	Orange		
Management of normal birth and care of the newborn		Blue		Orange		
Treatment and management of maternity emergencies				Orange		
Maternal and New-born Life Support				Orange		
Advanced Adult Life Support			Orange	Orange		
Accurate placement of 12 Lead ECG electrodes and printing of ECG strip.	Blue	Blue	Orange	Orange		
Interpret various ECG rhythms including AF, Myocardial infarction (including inclusion criteria for PPCI), LBBB, SVT, complete heart block, junctional rhythms and all first-year recognition.			Orange	Orange		
Practical skill of I.V. Cannulation/ I.O.			Orange	Orange		
Needle Thoracentesis			Orange	Orange		
Advanced Airway management (Including intubation and needle cricothyrotomy)			Orange	Orange		
Basic assessment and management of minor wounds		Blue		Orange		
Introduction to wound glue and steri-strips						
Advancing consultation for safeguarding, referral and discharge				Orange		
Major Incident Management					White	Green
End of Life Care					Green	Green

Year 1: Cross Sector Placement (Nursing/Care/Residential Home)			Learning Outcomes	
Period of practice-based learning.	When	Where	How long	How this will support the achievement of the learning outcomes and SOPs
<b>Cross-sector placement and simulated activities:</b>	Semester 1	Residential care settings including rehabilitation, care of older adults, long term care and day hospitals.	<b>5 weeks:</b> 2 weeks simulated activities 3 weeks patient facing time	Learning Outcomes for Nursing Home Placements: <b>Learning Outcome 1:</b> Observe and identify the practice of safe and person-centred care for vulnerable persons. <b>Learning Outcome 2:</b> Observe and identify interprofessional/multidisciplinary working in a care environment. <b>Learning Outcome 3:</b> Observe and identify values-based care and professional behaviours in practice. <b>Learning Outcome 4:</b> Carry out a range of relevant skills including communication, safe moving and handling and infection prevention and control.

Year 1: Patient Transport Service & Ambulance Placement			Learning Outcomes	
Period of practice-based learning.	When	Where	How long	How this will support the achievement of the learning outcomes and SOPs
<b>Patient Transport Service &amp;</b>	Semester 1	Learners will be located within one of 14 ambulance stations within the South East region (Edinburgh, Lothian and Borders).	<b>3 weeks PTS</b>	<p><b>Learning Outcomes for PTS:</b></p> <ol style="list-style-type: none"> <li>1. Display professional behaviours congruent with HCPC Standards of Conduct, Performance and Ethics</li> </ol> <p><b>Learning Outcomes for Ambulance Placement:</b></p> <ol style="list-style-type: none"> <li>1. Display professional behaviours congruent with HCPC Standards of Conduct, Performance and Ethics</li> <li>2. Discuss the role and scope of practice for the paramedic within health and social care to meet the needs of the person, their family and carers across the lifespan</li> <li>3. Work collaboratively with others and effectively utilise a range of communication skills in paramedic practice</li> <li>4. Observe and assist with a range of skills identified in PAD, under supervision</li> <li>5. Discuss strategies for physical and psychological self-care in order to respond safely in clinical situations/ circumstances</li> <li>6. Reflect on learning with supervisor to provide evidence of personal and professional development</li> </ol>
	<b>Ambulance Placement:</b>		Semester 2	

**Year 2: Ambulance Placement & Learning Outcomes**

Period of practice-based learning.	When	Where	How long	How this will support the achievement of the learning outcomes and SOPs
Ambulance placement	Semester 1 & 2	Learners will be located within one of 14 ambulance stations within the South East region (Edinburgh, Lothian and Borders).	<p><b>Up to 11 weeks</b></p> <p>Semester 1 up to 6 weeks</p> <p>Semester 2 up to 5 weeks</p>	<p><b>Learning Outcomes for Ambulance Placement:</b></p> <ol style="list-style-type: none"> <li>1. Consistently demonstrate professional behaviours congruent with HCPC standards of conduct, performance and ethics</li> <li>2. Apply assessment tools and strategies effectively to analyse, prioritise and document care of persons in emergency and non-emergency situations</li> <li>3. Demonstrate a wide range of evidence informed practical skills for timely intervention in a range of emergency and non-emergency situations</li> <li>4. Reflect on and respond to feedback and feed forward from supervisors, members of the interprofessional team and service users.</li> </ol>

Year 2: Elective Placement				Learning Outcomes
Period of practice-based learning.	When	Where	How long	How this will support the achievement of the learning outcomes and SOPs
<b>Elective Placement</b>	Semesters 1 & 2	<p>Learners will be required to evidence 75 hours of learning with an approved organisation over the duration of the academic year.</p> <p>Organisation of choice should be linked with Four Pillars of Paramedic Practice:</p> <ol style="list-style-type: none"> <li>1. Clinical Practice</li> <li>2. Education</li> <li>3. Leadership &amp; Management</li> <li>4. Research</li> </ol>	<b>2 weeks = 75 hours</b>	<p>Learners will be required to evidence 75 hours of learning with an approved organisation of their own choice over the duration of the academic year. Opportunities will be made within the timetable to allow learners time to attend their chosen elective placement. <i>See specific instructions for Elective placement in Appendix.</i></p> <p><b>Learning Outcomes for Elective Placement:</b></p> <ol style="list-style-type: none"> <li>1. Discuss and reflect on the role of the chosen organisation</li> <li>2. Observe and identify interprofessional/multidisciplinary working in a chosen organisation environment and discuss its relevance to health and social care.</li> <li>3. Apply and demonstrate the ability to develop sustained relationships and work collaboratively with others, utilising a range of effective communication skills when working within the team of the chosen organisation</li> <li>4. Critically reflect on self-awareness, own values and the application of strategies you learned within the chosen organisation.</li> </ol>

Year 2: Cross Sector Placements			Learning Outcomes
6 weeks of cross sector placement made up of 1 or 2 weeks in each of the four settings + 2 weeks of simulation	Locations	Description	Learning outcomes
<p><b>Assessment of the ill adult: One week of patient facing time</b></p>	<p>Mostly ward based placement in areas such as:</p> <ul style="list-style-type: none"> <li>Coronary Care</li> <li>Cardiothoracic ward</li> <li>Respiratory Medicine</li> <li>Orthopaedic</li> <li>Trauma</li> <li>Acute Stroke Unit</li> <li>Acute surgical wards</li> <li>Neurology</li> </ul> <p><i>This is not exhaustive list, these are examples.</i></p>	<p>In this one-week practice-based learning experience students will have an opportunity to extend their understanding of the assessment and care of ill adults in a range of in-hospital areas. Placement will take place in clinical areas where learners will gain exposure to adults with serious illness to allow them to transfer learning about recognition and management of acuity into the paramedic clinical environment. Working alongside variety of health care professionals, e.g., an experienced registered nurse or AHP, learners will be able to observe patient assessment and care, attend interprofessional meetings, case conferences or reviews and access learning opportunities related to additional support services or personnel within the learning environment, such as liaison, discharge and referral in negotiation with their practice supervisor.</p> <p>Learners will undertake a primarily observational role; however, learners are encouraged to rehearse their own skills where opportunity arises. Through discussion and reflection on with the practice-educator, students will be expected to identify skills where they can begin to assist the registered staff to enable them to consolidate the skills learned in Skills for Paramedic Practice 1 and 2 which lie within the practice-educators scope of practice. Examples include performing assessment of vital signs, cannulation and history taking.</p>	<p><b>Learning Outcome 1:</b></p> <p>Apply communication and interpersonal skills to persons with serious illness within a clinical setting.</p> <p><b>Learning Outcome 2:</b></p> <p>Reflect on learning from the interprofessional team and how this can be incorporated into paramedic practice.</p> <p><b>Learning Outcome 3:</b></p> <p>Apply clinical skills, such as assessment, history taking and interpretation of clinical data such as (but not limited to) ECG for diagnosis and care planning.</p>

6 weeks of cross sector placement made up of 1 or 2 weeks in each of the four settings + 2 weeks of simulation	Locations	Description	Learning outcomes
<p><b>Supporting Mental Health and Well-being:</b>  <b>One week of patient facing time</b></p>	<p>Alcohol and Drug rehabilitation services  Community mental health services  Mental Health Assessment and care of older adults/  Dementia services  Homelessness and outreach services  Toxicology  Child and Adolescent mental health services  Learning Disability services  Prison service</p>	<p>In this one-week practice-based learning experience students will have an opportunity to extend their understanding of the assessment, management and referral skills of persons presenting with mental ill health. Placement will take place in clinical areas where learners will gain exposure to persons across the lifespan with acute or chronic mental ill health and allow them to transfer learning about recognition and management of acuity into the paramedic clinical environment.</p> <p>Working alongside a practice-educator, e.g., an experienced registered nurse or AHP, learners will be able to observe patient assessment and care, attend interprofessional meetings, case conferences or reviews and access learning opportunities related to additional support services or personnel within the learning environment, such as liaison, discharge and referral in negotiation with their practice supervisor.</p> <p>Learners will have an opportunity to extend and enhance their communication skills and understand legal and ethical issues in the context of mental health services.</p>	<p><b>Learning Outcome 1:</b></p> <p>Apply communication and interpersonal skills to patients presenting with mental ill health within a clinical setting.</p> <p><b>Learning Outcome 2:</b></p> <p>Reflect on learning from the interprofessional team and how this can be incorporated into paramedic practice.</p> <p><b>Learning Outcome 3:</b></p> <p>Safely apply clinical skills, such as assessment, history taking, social history and risk assessment for appropriate care planning, referral of persons with mental ill health.</p>

6 weeks of cross sector placement made up of 1 or 2 weeks in each of the four settings + 2 weeks of simulation	Locations	Description	Learning outcomes
<p><b>Assessing and supporting maternal and infant health</b></p> <p><b>Up to two weeks of patient facing time</b></p>	<p>Labour suite Antenatal Maternity assessment unit Post Natal care Neonatal units Community maternity services Obstetrics and gynaecology theatres</p>	<p>In this two-week practice-based learning experience learners will have opportunities to develop greater understanding of the experience of childbirth, assessment and management of childbearing women and referral skills to inform safe paramedic practice and the wellbeing of women and infants.</p> <p>Placement will take place in clinical areas where learners will gain exposure to childbearing women at different stages of labour or post-delivery care to allow them to transfer learning to the paramedic clinical environment.</p> <p>Working alongside an experienced health-care professional, learners will be able to observe care and learn about the childbearing experiences of woman and families, the different stages of labour and where possible, participate in initial assessment, care and management of labour.</p> <p>A key focus of the placement is on the development of rapport and effective communication for learners and to engage in reflection on own values in relation to vulnerability, safeguarding and maternal/ infant safety.</p>	<p><b>Learning Outcome 1:</b></p> <p>Observe and participate in the assessment and management childbearing women and their families and care of the newborn.</p> <p><b>Learning Outcome 2:</b></p> <p>Apply communication and interpersonal skills with women and family members in a clinical setting.</p> <p><b>Learning Outcome 3:</b></p> <p>Reflect on learning from the interprofessional team and how this can be incorporated into paramedic practice.</p>

6 weeks of cross sector placement made up of 1 or 2 weeks in each of the four settings + 2 weeks of simulation	Locations	Description	Learning outcomes
<p><b>Emergency care and Triage</b> Up to two weeks of patient facing time</p>	<p>Emergency Department / Accident and Emergency Acute Assessment unit Older Adult Assessment unit Triage Out of hours services</p>	<p>In this two-week practice-based learning experience learners will have an opportunity to develop greater knowledge and experience of the assessment and care of persons in a range of emergency and non-emergency situations. Placement will take place in clinical areas such as the Emergency department and/or admissions units where learners will be able to apply skills and knowledge about the underlying pathophysiology of illness and injury, to the assessment, immediate care, referral and handover of persons and gain insight into the experiences of persons who have been conveyed to hospital.</p> <p>Working alongside an experienced health-care professional learner will be able to extend their skills of assessment, triage and decision making around prioritisation of management and care as well as the work of the interprofessional team.</p> <p>Learners will have opportunities to observe and reflect on the provision of safe, effective and person-centred emergency care of persons at times of crisis and their families.</p>	<p><b>Learning Outcome 1:</b> Apply communication and interpersonal skills to patient presenting with illness or injury.</p> <p><b>Learning Outcome 2:</b> Reflect on learning from the interprofessional team and how this can be incorporated into paramedic practice.</p> <p><b>Learning Outcome 3:</b> Apply clinical skills, such as assessment, history taking, social and risk assessment for safe-guarding, referring and discharging patients within the emergency or out of hours service.</p>

<b>Year 3: Cross Sector Placement</b>			
<b>6 weeks of cross sector placement made up of 1 or 2 weeks in each of the four settings + 2 weeks of simulation activities</b>	<b>Locations</b>	<b>Description</b>	<b>Learning outcomes</b>
<p><b>Assessment of the person with a long-term condition and/or anticipatory care needs. 1 week of patient facing time.</b></p>	<p>Neurology rehabilitation            Cardiac Rehabilitation            Orthopaedic rehabilitation            Stroke Rehabilitation            Oncology            Palliative Care            Hospice</p>	<p>This period of practice-based learning will provide learners with the opportunity to use and apply skills to become autonomous practitioners when required to support persons with long term and complex health care needs, including end of life and palliative care.</p> <p>During this one week learning experience, learners will be allocated to clinical areas where they can participate and observe assessment and care of persons requiring rehabilitation, recovery and long-term care including hospice care.</p> <p>A key focus of this placement is consideration of effective communication with service users and their families to support shared decision making such as anticipatory care and advance care planning.</p>	<p><b>Learning Outcome 1:</b>            Apply effective communication and interpersonal skills to persons living with a long-term condition or requiring rehabilitation.</p> <p><b>Learning Outcome 2:</b>            Reflect on learning from the interprofessional team around the process of recovery, rehabilitation, and long-term support and how this can be incorporated into paramedic practice.</p> <p><b>Learning Outcome 3:</b>            Apply clinical skills, such as assessment, history taking, falls assessment and anticipatory care planning.</p> <p><b>Learning Outcome 4:</b>            Reflect on learning about supporting and enabling self-management and shared decision making.</p>

6 weeks of cross sector placement made up of 1 or 2 weeks in each of the four settings + 2 weeks of simulation activities	Locations	Description	Learning outcomes
<p><b>High Dependency Care.</b>  <b>1 week of patient facing time.</b></p>	<p>Intensive Care Units  High Dependency Units  Theatres</p>	<p>This period of practice-based learning will enable students to enhance their clinical exposure to key interventions such as advanced airway management that are required within paramedic practice of persons who are critically ill.</p> <p>This learning experience will enable students to develop greater awareness of the wider context of health care to inform and enhance autonomous clinical practice.</p> <p>In addition, learners will have an opportunity to observe and acquire greater knowledge regarding assessment and management of persons with critical illness in relation to stage of development and pathophysiology.</p>	<p><b>Learning Outcome 1:</b></p> <p>Apply skills relating to safe and effective airway management in a controlled clinical setting. <i>(Can be done under discussion and/or simulation).</i></p> <p><b>Learning Outcome 2:</b></p> <p>Demonstrate non-technical skills in relation to safe and effective application of advancing clinical procedures.</p> <p><b>Learning Outcome 3:</b></p> <p>Reflect on learning from the interprofessional team and how this can be incorporated into paramedic practice.</p>

6 weeks of cross sector placement made up of 1 or 2 weeks in each of the four settings + 2 weeks of simulation activities	Locations	Description	Learning outcomes
<p><b>Community and Primary Care</b>  <b>2 weeks of patient facing time.</b></p>	<p>Out of hours service  GP surgery  Community hubs  Minor injuries  Nurse lead units  Health visitor</p>	<p>Learners will have the opportunity to develop greater understanding of the role of a range of members of the interprofessional team within community and primary care services. Learners will be enabled to explore the different roles and contributions of the members of the primary and community care team and strategies to enable care at home, in order to develop skills and knowledge to inform the development of autonomous paramedic practice. This will include the assessment, care and include the provision of advice or referral of persons who present with minor illness or injury.</p> <p>Working with an experienced health care professional, learners will have the opportunity to observe the role of a range of members of the interprofessional team within community services and develop sound understanding of strategies to enable care at home. During this period of practice-based learning learners will explore the different roles and contributions of the members of the primary and community care team as well as undertaking assessments within the context of community and primary care and enhance decision making and confidence to support decisions to convey or not convey persons to hospital.</p>	<p><b>Learning Outcome 1:</b></p> <p>Apply communication and interpersonal skills to persons presenting with minor illness or injury in the community or primary care setting.</p> <p><b>Learning Outcome 2:</b></p> <p>Reflect on learning from the interprofessional team and how this can be incorporated into paramedic practice in relation to referral and discharge of persons within the community or primary care setting.</p> <p><b>Learning Outcome 3:</b></p> <p>Apply clinical skills, such as assessment, history taking, referral, social and risk assessment for safeguarding.</p>

6 weeks of cross sector placement made up of 1 or 2 weeks in each of the four settings + 2 weeks of simulation activities	Locations	Description	Learning outcomes
<p><b>Assessing and supporting children and families.</b>  <b>2 weeks of patient facing time.</b></p>	<p>Paediatric emergency department  Paediatric wards  Paediatric assessment and outpatient departments  Health Visitors</p>	<p>The aim of this period of practice-based learning is to enable paramedic learners to develop skills and knowledge about the assessment and management of children requiring health care.</p> <p>Learners will be allocated clinical placements where they have opportunities to work with children and families and to develop and enhance skills of effective listening in order to be able to apply these in the context of autonomous paramedic practice.</p> <p>This episode of placement provides opportunity for learners to observe, interact and assist during paediatric assessment and helps them to gain better understanding of paediatric physiology at variety of age groups.</p>	<p><b>Learning Outcome 1:</b></p> <p>Apply effective communication and interpersonal skills with children and families in a clinical setting.</p> <p><b>Learning Outcome 2:</b></p> <p>Reflect on learning from the interprofessional team and how this can be incorporated into paramedic practice.</p> <p><b>Learning Outcome 3:</b></p> <p>Observe and acquire greater knowledge regarding normal and abnormal assessment of children in relation to life span and pathophysiology.</p> <p><b>Learning Outcome 4:</b></p> <p>Apply clinical skills, such as basic assessment and history taking with children and families.</p>

Year 3: Ambulance Placements				
Period of practice-based learning.	When	Where	How long	How this will support the achievement of the learning outcomes and SOPs
Ambulance Placement	Semester 2	Learners will be located within one of 14 ambulance stations within the South East region (Edinburgh, Lothian and Borders).	<p><b>10 weeks</b></p> <p>5 weeks start of semester 2</p> <p>5 weeks end of semester 2</p>	<p><b>Learning Outcome 1</b> Demonstrate autonomous practice and the ability to effectively support colleagues, service users, and their families in a professional and ethical manner and utilising evidence-based practice.</p> <p><b>Learning Outcome 1</b> Demonstrate proficiency in the full range of clinical skills required for the paramedic scope of practice in placement or through simulation.</p> <p><b>Learning Outcome 1</b> Modify and adapt clinical assessment and practice to safely meet the needs of persons, minimising risk and promoting shared decision making, while considering the diverse cultural socioeconomic, physical and mental health needs of the population.</p> <p><b>Learning Outcome 1</b> Evaluate own communication and team working skills with paramedic colleagues and other health and care professionals to contribute to effective multidisciplinary practice</p> <p><b>Learning Outcome 5</b> Critically reflect on own and others professional self-development skills to facilitate the transition from unqualified to registered practice by implementing evidence-based practice</p>

## APPENDIX A: LEVEL OF PRACTICE RUBRIC

Criteria Level	Knowledge / Reasoning	Level of Performance	Personal and Professional Awareness
<b>Dependent (Dep)</b>	Lacks knowledge. No awareness of alternatives Unable to explain / give reasons for actions	Lacks accuracy & confidence Needs continuous guidance & supervision. Poor organisation No awareness of priorities	Actions & behaviour are not modified to meet the needs of the client and situation. No meaningful explanations given Lacks insight into personal and professional behaviour
<b>Assisted (A)</b>	Knowledge is usually accurate Little awareness of alternatives Identifies reasons for actions	Accurate performance but some lack of confidence & efficiency. Requires frequent direction / supervision. Some awareness of priorities / requires prompting	Recognises the need to modify actions / behaviour to the client and situation, but unable to do so in non-routine situations. Gives standard explanations / does not modify information
<b>Minimal supervision (MS)</b>	Applies accurate knowledge to practice. Some awareness of alternatives Beginning to make judgements based on contemporary evidence	Safe and accurate; fairly confident / efficient Needs occasional direction or support. Beginning to initiate appropriate actions. Identifies priorities with minimal prompting	Actions / interventions / behaviours generally appropriate for the client and situation Explanation is usually at an appropriate & coherent. Identifies the need for assistance
<b>Safe and Effective (SE)</b>	Applies evidence-based knowledge. Demonstrates awareness of alternatives. Sound rationale for actions Makes judgements / decisions based on contemporary evidence	Confident / safe / efficient Works safe and effectively without direction / supervision Able to prioritise. Able to adapt to unpredictable situations	Conscious / deliberate planning Actions/ interventions/ behaviour are appropriate to the client & situation Gives coherent / appropriate information. Identifies & makes appropriate referrals