



# JIBC

School of Health, Community & Social Justice  
Health Sciences Division

## Paramedic Student Learning Goals - Emergency Department

<p><b>Primary Care Paramedic students</b> attend placements in emergency departments during Term 3 practice education.</p> <p>Clinical placements will focus on the following procedures within the scope of practice:</p> <ul style="list-style-type: none"><li>• IV initiation and maintenance</li><li>• EZ-IO initiation and maintenance</li><li>• Medication administration</li><li>• Maintenance of non-invasive positive pressure airway devices</li><li>• Oxygen administration (nasal cannula, simple face mask, non-breather mask)</li><li>• Management of ABCs including OPA, NPA, jaw thrust, Extraglottic Device insertion, ventilation with BVM, CPR and hemorrhage control</li><li>• Fracture management including splinting</li><li>• Simple wound care</li><li>• Burn management</li><li>• Needle chest decompression</li><li>• Catheter care (no catheter insertion or removal)</li><li>• ECG interpretation (3-lead and 12-lead)</li><li>• Cardiac arrest management (CPR, airway management, manual defibrillation, sequence of events in a cardiac arrest in the field)</li><li>• End-tidal carbon dioxide monitoring</li><li>• Skills integration: providing care to special patient groups</li><li>• POCT: phlebotomy, urinalysis, nasal and oral swabbing.</li></ul> <p><b>Goals for clinical experience</b></p> <ul style="list-style-type: none"><li>• Exposure to medical and trauma patients from stable to unstable</li><li>• Introduce students to allied health providers</li><li>• Focused patient assessments (vital signs, history taking, head to toe assessment and interpret findings)</li><li>• Entry level clinical decision making</li><li>• Expose to skill opportunities (IV starts, EZ-IO starts, BVM ventilation)</li></ul> <p><b>Examples of learning activities</b></p> <ul style="list-style-type: none"><li>• Performing systems-based patient assessments, histories and physical exams on patients</li><li>• Performing IV/EZ-IO starts on patients</li><li>• Interpretation of ECG findings (3 and 12 lead)</li><li>• Assessing and linking vital signs to patient presentations</li><li>• Personal care – brief changes, wash and dress patients, help with toileting</li></ul>	<p><b>Advanced Care Paramedic students</b> attend placements in emergency departments during Term 1 practice education.</p> <p>Clinical placements will focus on the following procedures within the scope of practice:</p> <ul style="list-style-type: none"><li>• Advanced airway management</li><li>• Intubation</li><li>• Sedation</li><li>• Needle thoracentesis</li><li>• Land marking electrode placement and interpreting 3-lead and 12-lead ECGs</li><li>• Medication administration</li><li>• IO insertion and use</li><li>• CPAP at discretion</li><li>• Extraglottic airway at discretion</li><li>• OG/NG tube insertion</li><li>• Inline intubation suction</li><li>• Manual defibrillation</li><li>• Cardioversion</li><li>• Transcutaneous pacing</li><li>• Collecting venous blood samples</li></ul> <p><b>Goals for clinical experience</b></p> <ul style="list-style-type: none"><li>• Exposure to acutely ill and injured individuals</li><li>• Introduce students to allied health providers and partner for short times if appropriate (RT, ECG tech, and physicians)</li><li>• Expose students to specialized areas (Cath lab, ICU, etc.)</li><li>• Focused history and physical examination of patient</li><li>• Expose to skill opportunities (more difficult IV starts, manual airway maneuvers, BVM ventilation, intubation)</li><li>• More focus on clinical discussions for pathophysiology, treatments in hospital, and outcomes than skill based</li></ul> <p><b>Examples of learning activities</b></p> <ul style="list-style-type: none"><li>• Performing systems-based patient assessments, histories and physical exams on patients</li><li>• Participate in the opportunity for exposure to other clinical opportunities as they arise</li><li>• Apply and operate a cardiac monitor including 12-Lead, defibrillation, transcutaneous pacing and synchronized cardioversion</li><li>• Interpret and discuss ECG findings</li><li>• Managing the airway, ventilation and oxygenation needs particular to the patient</li><li>• Assessing and linking vital signs to patient presentations</li></ul>
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