

Northwest Community EMS System
EMERGENCY COMMUNICATIONS REGISTERED NURSE (ECRN) COURSE
April 8 - May 13, 2026 (Wednesdays)

| Date | Time | Topic | Faculty |
|---|--|---|--|
| <p>All ECRN candidates will have assumed knowledge of the NWC EMSS 2022 SOPs Highly recommended to complete an <i>ecg review course or online module</i> prior to first day of class Prerequisites: Policy Self-Assessment (2 hours to complete) & Fundamentals Self-Assessment (1hour to complete) DUE to HEMSC BY 4/1/2026 Cardiac Self-Assessment (1hour to complete) DUE to HEMSC by 4/8/2026</p> | | | |
| <p>April 8, 2026</p> | <p>9:00 am - 12:00 pm</p> <p style="text-align: center;">Lunch</p> <p>12:30 - 4 pm</p> <p style="text-align: center;">6.5 hours classroom</p> | <p>Welcome & Introduction to the Course/ Expectations</p> <p>EMS Systems: Laws/rules impacting EMS operations Structure/function in IL Standards of care Operation</p> <p>Abbreviations & Acronyms ECRN roles & duties; SOPs; Procedure manual, Drug & Supply List, System memos Policies</p> <ul style="list-style-type: none"> - A3 ALS -EMR Services Scopes of practice Initiation of Care In-field Service Level Upgrades Transport of Service Dogs and Emotional Support Animals Tx of Police Dogs / Service Dogs - B1 Hospital Resource Limitation/Ambulance Bypass - C3 Crisis Response Plan - C6 EMS Controlled Substances (CS) Program - C7 Confidentiality of Patient Records (HIPAA compliance) - C8 EMS Communications - C9 Documentation of EMS Communications Log - D3 Drug-Pharmacologic Mgt: Approval, Issuing, Storage, Exchange, Disposal, Reporting - D4 Data Collection & submission ePCR software EMS Short Form - E5 Code of Ethics Behavioral Expectations - E7 Emergency Communications Registered Nurse (ECRN) - M6 MD/Physician Back-Up for ECRNs - O1 Procedure for Handling Overrides - P2 Independent Physician/Nurse On Scene - S3 EMS Staffing requirements - T2 Transport decision/Selection of Receiving Facility <p>SOP APPENDIX DOCUMENTS</p> <p>CPR/Resuscitation Guidelines Capnography Drug appendix Routes "Rights" Cross check Peds Drug tables Defib J D10% Fentanyl Ketamine dose chart Norepinephrine dose/drip chart 12-L ECG changes based on location of STEMI Abbreviations Acronyms Symbols Differential of COPD/HF CPAP indications Biologic, Nuclear, Incendiary & Chem agents Hospital contact information Hospital Designations for Specialty Transports Pain scales</p> <p>SOPs: Introduction (levels of acuity Time-sensitive pts select policies; EMS Scopes of Practice; Patient Assess/Initial Medical Care; Pain mgt Drug alternatives Inopressors; OLMC Report/ Handoff Reports; Withholding/Withdrawing Care POLST POA; Elderly patients; Extremely obese patients</p> <p>Drugs: ondansetron; fentanyl; ketamine; alternate drugs</p> <p>Policies:</p> <ul style="list-style-type: none"> - A1 Abandonment vs. Prudent Use of EMS Personnel - D5 ILLINOIS POLST form and Advance Directive Guidelines - P3 Interaction with Police Crime Scene Response CESSA - R7 Reportable Incidents Sentinel event reporting - R6 Refusal of Service (Elements of granting & withholding consent) <p>Procedures: General Patient Assessment/IMC BP Assessment- Auscultation Glasgow Coma Scale Oximetry: SpO₂ & EtCO₂</p> <p>Homework: Medical Self-Assessment (1 hour to complete) DUE 4/15/2026</p> | <p>KC</p> <p>BT</p> <p>KC</p> |

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| April 13, 2026 | 9:00 am - 12:00 pm | Cardiac SOP Self-Assessment due ECG rhythm & 12 Lead Interpretation | TBD |
| | LUNCH 12:30 -4 pm 6.5 hours classroom | EMS Airway access procedures Manual airway maneuvers; Oropharyngeal & nasopharyngeal airways Oropharyngeal & tracheal suctioning Removal of FB w/ laryngoscopy Videolaryngoscopy w/ ProVu In-Line Drug Assisted Digital intubation i-gel supraglottic airway Surgical and Needle cricothyrotomy O ₂ delivery: Nasal cannula; Non-rebreather mask; BVM; C-PAP SOPs: Acute and chronic respiratory disorders simulated calls Adult Foreign Body Airway Obstruction Allergic reactions Anaphylaxis Bites-envenomations Asthma COPD Pts w/ tracheostomy/laryngectomy (adult & peds) Acute Resp. Disorders: Possible pneumonia / COVID-19 & other resp. viruses Drugs: diphenhydramine; albuterol, ipratropium, epinephrine 1 mg/1 mL; 1 mg/10 mL, magnesium sulfate SOPs: Cardiac Chest pain/Acute Coronary Syndrome (ACS) with or w/o pain; ST- segment Elevation Myocardial Infarction (STEMI) – STEMI alerts Drugs: ASA, NTG pain medication options Procedure: 12 L ECG Bradycardia with a pulse: Drugs: atropine, norepinephrine, glucagon Procedure: Transcutaneous pacing Homework: ecg online assignment (1 hour to complete) Trauma SOP Self-Assessment (1 hour to complete) Due 4/22/2026 to HEMSC | TBD |

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| April 22, 2026 | 9:00 am-12:00 pm | <p>Mock quiz</p> <p>SOPs Cardiac Continued:</p> <p>Narrow QRS complex tachycardia with a pulse Drugs: adenosine, verapamil Procedure: Vagal maneuvers/synchronized cardioversion</p> <p>Ventricular rhythms: Wide complex tachycardia with a pulse Cardiac arrest (VF/PVT/Asystole/PEA) Drugs: epinephrine 1 mg/10 mL, amiodarone, NaHCO₃ Procedure: Cardiac arrest management; defibrillation SOPS: VT w/ pulse; VF/VT w/o pulse; Asystole/ PEA Policy: Terminating resuscitation in persistent asystole</p> <p>Heart Failure/Pulmonary Edema/Cardiogenic Shock Ventricular Assist Device</p> | TBD |
| | <p>LUNCH</p> <p>12:30 pm – 4 pm</p> <p>6.5 hours classroom</p> | <p>Respiratory & Cardiac Simulations</p> <p>MEDICAL SOPS</p> <p>Medical SOP Self-Assessment due</p> <p>Acute Abdominal/Flank Pain Dialysis/Chronic Renal Failure Alcohol Intoxication/Withdrawal Altered Mental Status Syncope & Pre-syncope Drug OD/Poisonings Carbon monoxide (HBO) Cyanide exposure Drugs: dextrose 10%, naloxone, ketamine, midazolam; atropine; hydroxocobalamin Environmental: Cold related Environmental: Submersion/Drowning SCUBA High altitude Environmental: Heat-related Glucose / Diabetes Emergencies: hypo/hyperglycemia; DKA, HHNS Procedure: Capillary glucose - Microdot Xtra D10 IVPB Hypertension / Hypertensive crisis</p> <p>Homework:</p> <p>BravoZone online assignment (1 hour to complete)</p> | TBD |

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| April 29, 2026 | <p data-bbox="282 195 391 254">9:00am - 11:00am</p> <p data-bbox="261 485 391 543">11:00am – 12:00 pm</p> <p data-bbox="256 779 391 846">LUNCH 12:30-4 pm</p> <p data-bbox="272 1373 391 1432">6.5 hours classroom</p> | <p data-bbox="459 132 886 161">Trauma SOP Self-Assessment due</p> <p data-bbox="459 195 659 224">Ecg mock exam</p> <p data-bbox="459 254 1341 468"> Medical SOPs Continued: Psychiatric Behavioral Health Emergencies (BHE): Decisional capacity Risk assessment Care (Adult & Peds) Suicide screen Procedure: Use of restraints Stroke TIA: BEFAST/LVO stroke screen; stroke alerts; transport decisions Procedure: Neuro assessment Seizures Shock – Septic (qSOFA screen; Sepsis alerts) </p> <p data-bbox="444 556 1206 585">Initial Trauma Care; Triage & transport criteria (Trauma alerts)</p> <p data-bbox="459 594 1360 774"> Policy: A2 Aeromedical transport Procedures: IVF volumes; hemorrhage control; pelvic splinting; Helicopter Transport Guidelines Shock - Hypovolemic Traumatic arrest Cardiac arrest due to trauma Conducted electrical weapon (Taser) </p> <p data-bbox="459 837 1395 1018"> Burns all types: Drug: calcium gluconate gel Chest trauma: Procedure: pleural decompression; vented chest seals Eye/Facial trauma Drug: Tetracaine Procedures: Eye irrigation; contact lens removal (hard & soft); protective shields; eye pressure patching; preserving teeth </p> <p data-bbox="459 1039 1328 1341"> Head Trauma Musculoskeletal trauma; crush, compartment, suspension syndromes Spine trauma: SMR guidelines/equipment removal guidelines Multiple patient incidents; Small, medium, large scale events; Start and JUMPStart triage, triage tags Hazardous materials incidents (radiation exposure) Chemical agents (Adult & peds); ChemPack plan Active Assailant response Transport LEO/Canine Widespread disease outbreak Adult Abuse/Neglect, maltreatment, Trafficking Trauma in pregnancy </p> <p data-bbox="459 1404 1084 1463"> HOMEWORK: BravoZone online assignment (1 hour to complete) </p> | <p data-bbox="1471 195 1528 224">TBD</p> <p data-bbox="1471 619 1528 648">TBD</p> |

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| May 6, 2026 | 9:00 am-12:00 pm | Ecg mock exam Wrap up any remaining Trauma Medical & Trauma Simulations Emergency childbirth – simulated calls Normal delivery procedure Healthy newborn and postpartum care OB/delivery complications Periviable births; newborn resuscitation | TBD |
| | LUNCH 12:30 pm – 4 pm 6 hours classroom | Pediatric Protocol – simulated calls Peds Initial assessment/medical care; peds drug doses; sedation Children with Special Healthcare needs Peds Airway adjuncts; Peds FB Airway Obstruction Peds Respiratory Arrest SIDS BRUE Peds Allergic Reaction/Anaphylactic shock Peds Asthma Croup; epiglottitis; RSV/Bronchiolitis Peds Cardiac SOPs Peds Medical emergencies Peds Seizures – Sepsis-Septic Shock Peds ITC/Trauma score/Trauma SOPs/Abuse Policy: Refusal of service in minors | TBD |

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| May 13, 2026 | 9:00 am-12:00 pm | Ecg Exam Written Exam <i>May break for lunch once both exams are completed</i> | KC |
| | LUNCH 12:30 pm – 4 pm | Practical Exam | |

Any exam retakes will be on May 27, 2026

10 hours Independent written & online assigned course work

32 hours In-person classroom

42 hours Total Didactic

Upon returning to Hospital

Schedule 8 hours ride time

Internship