

Iowa EMS Scope of Practice

Skills By Certification Level

Iowa Law Enforcement Emergency Care Provider (ILEECP)

This EMS provider level is for Iowa peace officers who successfully complete a program of training that uses the department approved curriculum and have successfully completed the required testing as outlined in IAC 641--139. Individuals certified at this level will have a certification number identified with the letter “L”. ILEECP certificates expire on July 1. Recertification requirements include four hours of approved continuing education.

Scope of Practice for ILEECP Certified Providers

| AIRWAY / VENTILATION / OXYGENATION |
|---|
| Skill |
| Bag-Valve-Mask (BVM) |
| Cricoid Pressure (Sellick) |
| Head-tilt/chin-lift |
| Jaw-thrust |
| Jaw-thrust - Modified (trauma) |
| Mouth-to-Barrier |
| Mouth-to-Mask |
| Mouth-to-Mouth |
| Mouth-to-Nose |
| Mouth-to-Stoma |
| Obstruction – Manual |

| CARDIOVASCULAR / CIRCULATION |
|---|
| Skill |
| Cardiopulmonary Resuscitation (CPR) |
| Defibrillation – Automated / Semi-Automated (AED) |
| Hemorrhage Control – Direct Pressure |
| Hemorrhage Control – Pressure Point |
| Hemorrhage Control – Tourniquet |

| IMMOBILIZATION |
|--|
| Skill |
| Spinal Immobilization – Manual Stabilization |
| Splinting – Manual |

| MISCELLANEOUS |
|---------------------------------|
| Skill |
| Assisted Delivery (child-birth) |

First Responder (1979) (FR)

This EMS provider level identifies individuals who have successfully completed a program of training that used, as a minimum, the 1979 FR national standard curriculum (NSC) and have successfully completed the testing requirements. Individuals certified at this level have a certification number identified with the letter “F”. First responder certificates expire September 30. Recertification requirements include 12 hours of approved continuing education. Initial certification at this level is no longer available.

Scope of Practice for First Responder (1979) Certified Providers

| AIRWAY / VENTILATION / OXYGENATION |
|---|
| Skill |
| Bag-Valve-Mask (BVM) |
| Cricoid Pressure (Sellick) |
| Head-tilt/chin-lift |
| Jaw-thrust |
| Jaw-thrust - Modified (trauma) |
| Mouth-to-Barrier |
| Mouth-to-Mask |
| Mouth-to-Mouth |
| Mouth-to-Nose |
| Mouth-to-Stoma |
| Obstruction – Manual |
| Pulse Oximetry |
| Suctioning – Upper Airway |

| CARDIOVASCULAR / CIRCULATION |
|--------------------------------------|
| Skill |
| Cardiopulmonary Resuscitation (CPR) |
| Hemorrhage Control – Direct Pressure |
| Hemorrhage Control – Pressure Point |
| Hemorrhage Control – Tourniquet |

| IMMOBILIZATION |
|---|
| Skill |
| Spinal Immobilization – Cervical Collar With Manual Stabilization |
| Splinting – Manual |

| MISCELLANEOUS |
|------------------------------------|
| Skill |
| Assisted Delivery (child-birth) |
| Blood Pressure – Manual/Automated |
| Eye Irrigation |
| Over-the-Counter Medications (OTC) |

First Responder - Defibrillation (1979) (FR-D)

This EMS provider level identifies individuals who have successfully completed a program of training that used, as a minimum, the 1979 FR national standard curriculum and the AED supplemental curriculum, and have successfully completed the testing requirements. Individuals certified at this level have a certification number identified with the letter “G”. First Responder-Defibrillation certificates expire September 30. Recertification requirements include 12 hours of approved continuing education. Initial certification at this level is no longer available.

Scope of Practice for First Responder - Defibrillation (1979) Certified Providers

| AIRWAY / VENTILATION / OXYGENATION |
|---|
| Skill |
| Bag-Valve-Mask (BVM) |
| Cricoid Pressure (Sellick) |
| Head-tilt/chin-lift |
| Jaw-thrust |
| Jaw-thrust - Modified (trauma) |
| Mouth-to-Barrier |
| Mouth-to-Mask |
| Mouth-to-Mouth |
| Mouth-to-Nose |
| Mouth-to-Stoma |
| Obstruction – Manual |
| Pulse Oximetry |
| Suctioning – Upper Airway |

| MISCELLANEOUS |
|------------------------------------|
| Skill |
| Assisted Delivery (child-birth) |
| Blood Pressure – Manual/Automated |
| Eye Irrigation |
| Over-the-Counter Medications (OTC) |

| CARDIOVASCULAR / CIRCULATION |
|---|
| Skill |
| Cardiac Monitoring – Single Lead (non-interpretive) |
| Cardiopulmonary Resuscitation (CPR) |
| Defibrillation – Automated / Semi-Automated (AED) |
| Hemorrhage Control – Direct Pressure |
| Hemorrhage Control – Pressure Point |
| Hemorrhage Control – Tourniquet |
| Transcutaneous Pacing – Automated |

| IMMOBILIZATION |
|---|
| Skill |
| Spinal Immobilization – Cervical Collar With Manual Stabilization |
| Splinting – Manual |

First Responder (1996) (FR)

This EMS provider level identifies individuals who have successfully completed a program of training that used, as a minimum, the 1979 FR national standard curriculum (NCS) and completed the Iowa Transition Curriculum, or the 1996 FR NSC with the Iowa Supplemental curriculum, and have successfully completed the testing requirements. Individuals certified at this level have a certification number identified with the letter “F”. Certification numbering used at this level is unique for identification purposes. First responder certificates expire September 30. Recertification requirements include 12 hours of approved continuing education.

Scope of Practice for First Responder (1996) Certified Providers

| AIRWAY / VENTILATION / OXYGENATION |
|--|
| Skill |
| Airway - Esophageal/Tracheal - Multi Lumen |
| Airway – Nasal |
| Airway – Oral |
| Bag-Valve-Mask (BVM) |
| Cricoid Pressure (Sellick) |
| Head-tilt/chin-lift |
| Jaw-thrust |
| Jaw-thrust - Modified (trauma) |
| Mouth-to-Barrier |
| Mouth-to-Mask |
| Mouth-to-Mouth |
| Mouth-to-Nose |
| Mouth-to-Stoma |
| Obstruction – Manual |
| Oxygen Therapy – Humidifiers |
| Oxygen Therapy – Nasal Cannula |
| Oxygen Therapy – Non-rebreather Mask |
| Oxygen Therapy – Partial Rebreather Mask |
| Oxygen Therapy – Regulators |
| Oxygen Therapy – Simple Face Mask |
| Oxygen Therapy – Venturi Mask |
| Pulse Oximetry |
| Suctioning – Upper Airway |

| CARDIOVASCULAR / CIRCULATION |
|---|
| Skill |
| Cardiac Monitoring – Single Lead (non-interpretive) |
| Cardiopulmonary Resuscitation (CPR) |
| Defibrillation – Automated / Semi-Automated (AED) |
| Hemorrhage Control – Direct Pressure |
| Hemorrhage Control – Pressure Point |
| Hemorrhage Control – Tourniquet |
| Transcutaneous Pacing – Automated |

| IMMOBILIZATION |
|---|
| Skill |
| Spinal Immobilization – Cervical Collar With Manual Stabilization |
| Splinting – Manual |

| MISCELLANEOUS |
|------------------------------------|
| Skill |
| Assisted Delivery (child-birth) |
| Blood Pressure – Manual/Automated |
| Eye Irrigation |
| Over-the-Counter Medications (OTC) |

Emergency Medical Technician – Ambulance (EMT-A)

This EMS provider level identifies individuals who have successfully completed a program of training that used, as a minimum, the 1984 EMT-A national standard curriculum (NSC) and have successfully completed the department’s testing requirements. Individuals certified at this level have a certification number identified with the letter “A”. EMT-A certificates expire on March 31. Recertification requirements include 24 hours of approved continuing education. Initial certification at this level is no longer available.

Scope of Practice for EMT-A Certified Providers

| AIRWAY / VENTILATION / OXYGENATION |
|---|
| Skill |
| Airway – Nasal |
| Airway – Oral |
| Bag-Valve-Mask (BVM) |
| Cricoid Pressure (Sellick) |
| Demand Valve – Oxygen powered |
| Head-tilt/chin-lift |
| Jaw-thrust |
| Jaw-thrust - Modified (trauma) |
| Mouth-to-Barrier |
| Mouth-to-Mask |
| Mouth-to-Mouth |
| Mouth-to-Nose |
| Mouth-to-Stoma |
| Obstruction – Manual |
| Oxygen Therapy – Humidifiers |
| Oxygen Therapy – Nasal Cannula |
| Oxygen Therapy – Non-rebreather Mask |
| Oxygen Therapy – Partial Rebreather Mask |
| Oxygen Therapy – Regulators |
| Oxygen Therapy – Simple Face Mask |
| Oxygen Therapy – Venturi Mask |
| Pulse Oximetry |
| Suctioning – Upper Airway |

| IMMOBILIZATION |
|--|
| Skill |
| Spinal Immobilization – Cervical Collar |
| Spinal Immobilization – Long Board |
| Spinal Immobilization – Manual Stabilization |
| Spinal Immobilization – Seated Patient (KED, etc.) |
| Splinting – Manual |
| Splinting – Rigid |
| Splinting – Soft |
| Splinting – Traction |
| Splinting – Vacuum |

| MISCELLANEOUS |
|------------------------------------|
| Skill |
| Assisted Delivery (child-birth) |
| Blood Pressure – Manual/Automated |
| Eye Irrigation |
| Over-the-Counter Medications (OTC) |

| CARDIOVASCULAR / CIRCULATION |
|--------------------------------------|
| Skill |
| Cardiopulmonary Resuscitation (CPR) |
| Hemorrhage Control – Direct Pressure |
| Hemorrhage Control – Pressure Point |
| Hemorrhage Control – Tourniquet |
| MAST/PASG |
| Mechanical CPR Device |

Emergency Medical Technician – Defibrillation (EMT-D)

This EMS provider level identifies individuals who have successfully completed a program of training that used, as a minimum, the 1984 EMT-A national standard curriculum (NSC) and the AED supplemental curriculum, and have successfully completed the department’s testing requirements. Individuals certified at this level have a certification number identified with the letter “D”. EMT-D certificates expire on March 31. Recertification requirements include 24 hours of approved continuing education. Initial certification at this level is no longer available.

Scope of Practice for EMT-D Certified Providers

| AIRWAY / VENTILATION / OXYGENATION |
|---|
| Skill |
| Airway – Nasal |
| Airway – Oral |
| Bag-Valve-Mask (BVM) |
| Cricoid Pressure (Sellick) |
| Demand Valve – Oxygen powered |
| Head-tilt/chin-lift |
| Jaw-thrust |
| Jaw-thrust - Modified (trauma) |
| Mouth-to-Barrier |
| Mouth-to-Mask |
| Mouth-to-Mouth |
| Mouth-to-Nose |
| Mouth-to-Stoma |
| Obstruction – Manual |
| Oxygen Therapy – Humidifiers |
| Oxygen Therapy – Nasal Cannula |
| Oxygen Therapy – Non-rebreather Mask |
| Oxygen Therapy – Partial Rebreather Mask |
| Oxygen Therapy – Regulators |
| Oxygen Therapy – Simple Face Mask |
| Oxygen Therapy – Venturi Mask |
| Pulse Oximetry |
| Suctioning – Upper Airway |

| CARDIOVASCULAR / CIRCULATION |
|---|
| Skill |
| Cardiac Monitoring – Single Lead (non-interpretive) |
| Cardiopulmonary Resuscitation (CPR) |
| Defibrillation – Automated / Semi-Automated (AED) |

| CARDIOVASCULAR / CIRCULATION (cont.) |
|---|
| Skill |
| Hemorrhage Control – Direct Pressure |
| Hemorrhage Control – Pressure Point |
| Hemorrhage Control – Tourniquet |
| MAST/PASG |
| Mechanical CPR Device |
| Transcutaneous Pacing – Automated |

| IMMOBILIZATION |
|--|
| Skill |
| Spinal Immobilization – Cervical Collar |
| Spinal Immobilization – Long Board |
| Spinal Immobilization – Manual Stabilization |
| Spinal Immobilization – Seated Patient (KED, etc.) |
| Splinting – Manual |
| Splinting – Rigid |
| Splinting – Soft |
| Splinting – Traction |
| Splinting – Vacuum |

| MISCELLANEOUS |
|------------------------------------|
| Skill |
| Assisted Delivery (child-birth) |
| Blood Pressure – Manual/Automated |
| Eye Irrigation |
| Over-the-Counter Medications (OTC) |

* Requires additional specialty training

Emergency Medical Technician – Basic (EMT-B)

This EMS provider level identifies individuals who have successfully completed a program of training that used, as a minimum, the 1996 EMT-B national standard curriculum (NSC) and the Iowa supplemental curriculum, and have successfully completed the department’s testing requirements. Individuals certified at this level have a certification number identified with the letter “B”. EMT-B certificates expire on March 31. Recertification requirements include 24 hours of approved continuing education.

Scope of Practice for EMT-B Certified Providers

| AIRWAY / VENTILATION / OXYGENATION | |
|--|--|
| Skill | |
| Airway - Esophageal/Tracheal - Multi Lumen | |
| Airway – Nasal | |
| Airway – Oral | |
| Bag-Valve-Mask (BVM) | |
| Cricoid Pressure (Sellick) | |
| Demand Valve – Oxygen powered | |
| Head-tilt/chin-lift | |
| Jaw-thrust | |
| Jaw-thrust - Modified (trauma) | |
| Mouth-to-Barrier | |
| Mouth-to-Mask | |
| Mouth-to-Mouth | |
| Mouth-to-Nose | |
| Mouth-to-Stoma | |
| Obstruction – Manual | |
| Oxygen Therapy – Humidifiers | |
| Oxygen Therapy – Nasal Cannula | |
| Oxygen Therapy – Non-rebreather Mask | |
| Oxygen Therapy – Partial Rebreather Mask | |
| Oxygen Therapy – Regulators | |
| Oxygen Therapy – Simple Face Mask | |
| Oxygen Therapy – Venturi Mask | |
| Pulse Oximetry | |
| Suctioning – Upper Airway | |
| Ventilators – Automated Transport (ATV) | |

| ASSISTED MEDICATIONS – PATIENT’S | |
|---|--|
| Skill | |
| Activated Charcoal | |
| Auto-Injected Epinephrine | |
| Medicated Inhaler | |
| Nitroglycerin | |

| CARDIOVASCULAR / CIRCULATION | |
|--|--|
| Skill | |
| Cardiac Monitoring – Multi Lead (non-interpretive) - * | |
| Cardiac Monitoring – Single Lead (non-interpretive) | |
| Cardiopulmonary Resuscitation (CPR) | |
| Defibrillation – Automated / Semi-Automated (AED) | |
| Hemorrhage Control – Direct Pressure | |
| Hemorrhage Control – Pressure Point | |
| Hemorrhage Control – Tourniquet | |
| MAST/PASG | |
| Mechanical CPR Device | |
| Transcutaneous Pacing – Automated | |

| IMMOBILIZATION | |
|--|--|
| Skill | |
| Spinal Immobilization – Cervical Collar | |
| Spinal Immobilization – Long Board | |
| Spinal Immobilization – Manual Stabilization | |
| Spinal Immobilization – Seated Patient (KED, etc.) | |
| Splinting – Manual | |
| Splinting – Rigid | |
| Splinting – Soft | |
| Splinting – Traction | |
| Splinting – Vacuum | |

| IV INITIATION / MAINTENANCE / FLUIDS | |
|---|--|
| Skill | |
| Maintenance – Non-Medicated IV Fluids (D ₅ W, R/L, NS) | |

* Requires additional specialty training

Scope of Practice for EMT-B Certified Providers (cont)

| MISCELLANEOUS |
|--|
| Skill |
| Assisted Delivery (child-birth) |
| Blood Glucose Monitoring |
| Blood Pressure – Manual/Automated |
| Epi Pen – Carrying & Administration (By Protocol) |
| Eye Irrigation |
| Over-the-Counter Medications (OTC) |

Emergency Medical Technician – Intermediate (1985) (EMT-I)

This EMS provider level identifies individuals who have successfully completed a program of training that used, as a minimum, the 1985 EMT-I national standard curriculum (NSC) and have successfully completed the department’s testing requirements. Individuals certified at this level have a certification number identified with the letter “I”. EMT-I certificates expire on March 31. Recertification requirements include 36 hours of approved continuing education. Initial certification at this level is no longer available.

Scope of Practice for EMT-I (1985) Certified Providers

| AIRWAY / VENTILATION / OXYGENATION |
|--|
| Skill |
| Airway - Esophageal/Tracheal - Multi Lumen |
| Airway – Nasal |
| Airway – Oral |
| Bag-Valve-Mask (BVM) |
| Cricoid Pressure (Sellick) |
| Demand Valve – Oxygen powered |
| Head-tilt/chin-lift |
| Jaw-thrust |
| Jaw-thrust - Modified (trauma) |
| Mouth-to-Barrier |
| Mouth-to-Mask |
| Mouth-to-Mouth |
| Mouth-to-Nose |
| Mouth-to-Stoma |
| Obstruction – Manual |
| Oxygen Therapy – Humidifiers |
| Oxygen Therapy – Nasal Cannula |
| Oxygen Therapy – Non-rebreather Mask |
| Oxygen Therapy – Partial Rebreather Mask |
| Oxygen Therapy – Regulators |
| Oxygen Therapy – Simple Face Mask |
| Oxygen Therapy – Venturi Mask |
| Pulse Oximetry |
| Suctioning – Upper Airway |
| Ventilators – Automated Transport (ATV) |

| CARDIOVASCULAR / CIRCULATION |
|--|
| Skill |
| Cardiac Monitoring – Multi Lead (non-interpretive) - * |
| Cardiac Monitoring – Single Lead (non-interpretive) |
| Cardiopulmonary Resuscitation (CPR) |
| Defibrillation – Automated / Semi-Automated (AED) |

| CARDIOVASCULAR / CIRCULATION |
|--------------------------------------|
| Skill |
| Hemorrhage Control – Direct Pressure |
| Hemorrhage Control – Pressure Point |
| Hemorrhage Control – Tourniquet |
| MAST/PASG |
| Mechanical CPR Device |
| Transcutaneous Pacing – Automated |

| IMMOBILIZATION |
|--|
| Skill |
| Spinal Immobilization – Cervical Collar |
| Spinal Immobilization – Long Board |
| Spinal Immobilization – Manual Stabilization |
| Spinal Immobilization – Seated Patient (KED, etc.) |
| Splinting – Manual |
| Splinting – Rigid |
| Splinting – Soft |
| Splinting – Traction |
| Splinting – Vacuum |

| IV INITIATION / MAINTENANCE / FLUIDS |
|---|
| Skill |
| Crystalloid (D ₅ W, R/L, NS) |
| Peripheral – Initiation |
| Maintenance – Non-Medicated IV Fluids (D ₅ W, R/L, NS) |

* Requires additional specialty training

Scope of Practice for EMT-I (1985) Certified Providers (cont)

| MISCELLANEOUS |
|---|
| Skill |
| Assisted Delivery (child-birth) |
| Blood Glucose Monitoring |
| Blood Pressure – Manual/Automated |
| Capillary Blood Sampling – Obtaining (other than blood glucose monitoring) |
| Epi-Pen – Carrying & Administration (By Protocol) |
| Eye Irrigation |
| Initiation of IV at Central Line Port (non- medicated) - * |
| Over-the-Counter Medications (OTC) |
| Venous Blood Sampling – Obtaining |

* Requires additional specialty training

Emergency Medical Technician – Intermediate (1985 +) (EMT-I)

This EMS provider level identifies individuals who have successfully completed a program of training that used, as a minimum, the 1985 EMT-I national standard curriculum (NSC) and the Iowa Transition curriculum or the Iowa EMT-I (2000) curriculum, and have successfully completed the department’s testing requirements. Individuals certified at this level have a certification number identified with the letter “I”. EMT-I certificates expire on March 31. Recertification requirements include 36 hours of approved continuing education. Certification numbering used at this level is unique for identification purposes.

Scope of Practice for EMT-I (1985) Certified Providers

| AIRWAY / VENTILATION / OXYGENATION | |
|--|--|
| Skill | |
| Airway - Esophageal/Tracheal - Multi Lumen | |
| Airway – Nasal | |
| Airway – Oral | |
| Bag-Valve-Mask (BVM) | |
| Cricoid Pressure (Sellick) | |
| Demand Valve – Oxygen powered | |
| Head-tilt/chin-lift | |
| Jaw-thrust | |
| Jaw-thrust - Modified (trauma) | |
| Mouth-to-Barrier | |
| Mouth-to-Mask | |
| Mouth-to-Mouth | |
| Mouth-to-Nose | |
| Mouth-to-Stoma | |
| Obstruction – Manual | |
| Oxygen Therapy – Humidifiers | |
| Oxygen Therapy – Nasal Cannula | |
| Oxygen Therapy – Non-rebreather Mask | |
| Oxygen Therapy – Partial Rebreather Mask | |
| Oxygen Therapy – Regulators | |
| Oxygen Therapy – Simple Face Mask | |
| Oxygen Therapy – Venturi Mask | |
| Pulse Oximetry | |
| Suctioning – Upper Airway | |
| Ventilators – Automated Transport (ATV) | |

| ASSISTED MEDICATIONS – PATIENT’S | |
|---|--|
| Skill | |
| Activated Charcoal | |
| Auto-Injected Epinephrine | |
| Medicated Inhaler | |
| Nitroglycerin | |

| CARDIOVASCULAR / CIRCULATION | |
|--|--|
| Skill | |
| Cardiac Monitoring – Multi Lead (non-interpretive) - * | |
| Cardiac Monitoring – Single Lead (non-interpretive) | |
| Cardiopulmonary Resuscitation (CPR) | |
| Defibrillation – Automated / Semi-Automated (AED) | |
| Hemorrhage Control – Direct Pressure | |
| Hemorrhage Control – Pressure Point | |
| Hemorrhage Control – Tourniquet | |
| MAST/PASG | |
| Mechanical CPR Device | |
| Transcutaneous Pacing – Automated | |

| IMMOBILIZATION | |
|--|--|
| Skill | |
| Spinal Immobilization – Cervical Collar | |
| Spinal Immobilization – Long Board | |
| Spinal Immobilization – Manual Stabilization | |
| Spinal Immobilization – Seated Patient (KED, etc.) | |
| Splinting – Manual | |
| Splinting – Rigid | |
| Splinting – Soft | |
| Splinting – Traction | |
| Splinting – Vacuum | |

| IV INITIATION / MAINTENANCE / FLUIDS | |
|---|--|
| Skill | |
| Crystalloid (D ₅ W, R/L, NS) | |
| Peripheral – Initiation | |

* Requires additional specialty training

Scope of Practice for EMT-I (1985) Certified Providers (cont)

| IV INITIATION / MAINTENANCE / FLUIDS |
|--|
| Skill |
| Maintenance – Non-Medicated IV Fluids (D ₅ W, R/L, NS) |

| MISCELLANEOUS |
|---|
| Skill |
| Assisted Delivery (child-birth) |
| Blood Glucose Monitoring |
| Blood Pressure – Manual/Automated |
| Capillary Blood Sampling – Obtaining (other than blood glucose monitoring) |
| Epi-Pen – Carrying & Administration (By Protocol) |
| Eye Irrigation |
| Initiation of IV at Central Line Port (non-medicated) - * |
| Over-the-Counter Medications (OTC) |
| Venous Blood Sampling – Obtaining |

* Requires additional specialty training

Iowa Emergency Medical Technician – Paramedic (EMT-P)

This EMS provider level identifies individuals who have successfully completed a program of training that used, as a minimum, the 1985 EMT-P national standard curriculum (NSC), or the 1999 EMT-I NSC curriculum, and have successfully completed the department’s testing requirements. Individuals certified at this level have a certification number identified with the letter “P”. EMT-P certificates expire on March 31. Recertification requirements include 48 hours of approved continuing education.

Scope of Practice for EMT-P Certified Providers

| AIRWAY / VENTILATION / OXYGENATION |
|--|
| Skill |
| Airway - Esophageal/Tracheal – Multi Lumen |
| Airway – Nasal |
| Airway – Oral |
| Bag-Valve-Mask (BVM) |
| Bridge Devices |
| Chest Decompression – Needle |
| CPAP* |
| Cricoid Pressure (Sellick) |
| Cricothyroidotomy – Needle |
| Demand Valve – Oxygen powered |
| End Tidal CO ₂ Monitoring/Capnometry |
| Gastric Decompression – NG Tube |
| Gastric Decompression – OG Tube |
| Head-tilt/chin-lift |
| Intubation - Lighted Stylet |
| Intubation – Medication Assisted (non-paralytic) |
| Intubation - Orotracheal |
| Jaw-thrust |
| Jaw-thrust - Modified (trauma) |
| Mouth-to-Barrier |
| Mouth-to-Mask |
| Mouth-to-Mouth |
| Mouth-to-Nose |
| Mouth-to-Stoma |
| Obstruction – Direct Laryngoscopy |
| Obstruction – Manual |
| Oxygen Therapy – Humidifiers |
| Oxygen Therapy – Nasal Cannula |
| Oxygen Therapy – Non-rebreather Mask |
| Oxygen Therapy – Partial Rebreather Mask |
| Oxygen Therapy – Regulators |
| Oxygen Therapy – Simple Face Mask |
| Oxygen Therapy – Venturi Mask |
| Pulse Oximetry |
| Suctioning – Tracheobronchial |
| Suctioning – Upper Airway |
| Ventilators – Automated Transport (ATV) |

| ASSISTED MEDICATIONS – PATIENT’S |
|---|
| Skill |
| Activated Charcoal |
| Auto-Injected Epinephrine |
| Medicated Inhaler |
| Nitroglycerin |

| CARDIOVASCULAR / CIRCULATION |
|---|
| Skill |
| Cardiac Monitoring – Multi Lead (non-interpretive) |
| Cardiac Monitoring – Single Lead (non-interpretive) |
| Cardiac Monitoring – Single Lead (interpretive) |
| Cardiopulmonary Resuscitation (CPR) |
| Cardioversion – Electrical |
| Carotid Massage |
| Defibrillation – Automated / Semi-Automated (AED) |
| Defibrillation – Manual |
| Hemorrhage Control – Direct Pressure |
| Hemorrhage Control – Pressure Point |
| Hemorrhage Control – Tourniquet |
| MAST/PASG |
| Mechanical CPR Device |
| Transcutaneous Pacing – Automated |
| Transcutaneous Pacing – Manual |

* Requires additional specialty training

Scope of Practice for EMT-P Certified Providers (cont)

| IMMOBILIZATION | |
|--|--|
| Skill | |
| Spinal Immobilization – Cervical Collar | |
| Spinal Immobilization – Long Board | |
| Spinal Immobilization – Manual Stabilization | |
| Spinal Immobilization – Seated Patient (KED, etc.) | |
| Splinting – Manual | |
| Splinting – Rigid | |
| Splinting – Soft | |
| Splinting – Traction | |
| Splinting – Vacuum | |

| IV INITIATION / MAINTENANCE / FLUIDS | |
|---|--|
| Skill | |
| Blood/ Blood By-Products | |
| Crystalloid (D ₅ W, R/L, NS) | |
| Intraosseous – Initiation | |
| Peripheral – Initiation | |
| Maintenance – Medicated IV Fluids | |
| Maintenance – Non-Medicated IV Fluids (D ₅ W, R/L, NS) | |

| MEDICATION ADMINISTRATION - ROUTES | |
|---|--|
| Skill | |
| Aerosolized/Nebulized | |
| Buccal | |
| Endotracheal Tube (ET) | |

| |
|----------------------------|
| Intramuscular (IM) |
| Intranasal |
| Intravenous (IV) Piggyback |
| Intravenous (IV) Push |
| Nasogastric |
| Oral |
| Rectal |
| Subcutaneous |
| Sub-lingual |

| MISCELLANEOUS | |
|--|--|
| Skill | |
| Assisted Delivery (child-birth) | |
| Blood Glucose Monitoring | |
| Blood Pressure - Manual/Automated | |
| Capillary Blood Sampling – Obtaining (other than blood glucose monitoring) | |
| Epi-Pen - Carrying & Administration (By Protocol) | |
| Eye Irrigation | |
| Eye Irrigation - Morgan Lens | |
| Initiation of IV at Central Line Port | |
| Over-the-Counter Medications (OTC) | |
| Thrombolytic Therapy – Monitoring | |
| Urinary Catheterization | |
| Venous Blood Sampling – Obtaining | |

Paramedic Specialist (PS)

This EMS provider level identifies individuals who have successfully completed a program of training that used, as a minimum, the 1985 EMT-P national standard curriculum (NSC), plus documentation of completion of the objectives to the 1998 EMT-P NSC, or completed the 1998 EMT-P NSC, and have successfully completed the department’s testing requirements. Individuals certified at this level have a certification number identified with the letters “PS”. Paramedic Specialist certificates expire on March 31. Recertification requirements include 60 hours of approved continuing education.

Scope of Practice for PS Certified Providers

| AIRWAY / VENTILATION / OXYGENATION |
|---|
| Skill |
| Airway - Esophageal/Tracheal - Multi Lumen |
| Airway – Nasal |
| Airway – Oral |
| Bag-Valve-Mask (BVM) |
| Bridge Devices |
| Chest Decompression – Needle |
| CPAP |
| Cricoid Pressure (Sellick) |
| Cricothyroidotomy – Needle |
| Demand Valve – Oxygen powered |
| End Tidal CO ₂ Monitoring/Capnometry |
| Gastric Decompression – NG Tube |
| Gastric Decompression – OG Tube |
| Head-tilt/chin-lift |
| Intubation - Lighted Stylet |
| Intubation – Medication Assisted (non-paralytic) |
| Intubation – Medication Assisted (paralytics) (RSI) |
| Intubation – Nasotracheal |
| Intubation - Orotracheal |
| Jaw-thrust |
| Jaw-thrust - Modified (trauma) |
| Mouth-to-Barrier |
| Mouth-to-Mask |
| Mouth-to-Mouth |
| Mouth-to-Nose |
| Mouth-to-Stoma |
| Obstruction – Direct Laryngoscopy |
| Obstruction – Manual |
| Oxygen Therapy – Humidifiers |
| Oxygen Therapy – Nasal Cannula |
| Oxygen Therapy – Non-rebreather Mask |
| Oxygen Therapy – Partial Rebreather Mask |
| Oxygen Therapy – Regulators |
| Oxygen Therapy – Simple Face Mask |

| AIRWAY / VENTILATION / OXYGENATION |
|--|
| (cont.) |
| Skill |
| Oxygen Therapy – Venturi Mask |
| PEEP – Therapeutic (> 6cm H ₂ O Pressure) |
| Pulse Oximetry |
| Suctioning – Tracheobronchial |
| Suctioning – Upper Airway |
| Ventilators – Automated Transport (ATV) |

| ASSISTED MEDICATIONS – PATIENT’S |
|---|
| Skill |
| Activated Charcoal |
| Auto-Injected Epinephrine |
| Medicated Inhaler |
| Nitroglycerin |

| CARDIOVASCULAR / CIRCULATION |
|---|
| Skill |
| Cardiac Monitoring – Multi Lead (non-interpretive) |
| Cardiac Monitoring – Multi Lead (interpretive) |
| Cardiac Monitoring – Single Lead (non-interpretive) |
| Cardiac Monitoring – Single Lead (interpretive) |
| Cardiopulmonary Resuscitation (CPR) |
| Cardioversion – Electrical |
| Carotid Massage |
| Defibrillation – Automated / Semi-Automated (AED) |
| Defibrillation – Manual |
| Hemorrhage Control – Direct Pressure |
| Hemorrhage Control – Pressure Point |
| Hemorrhage Control – Tourniquet |
| MAST/PASG |
| Mechanical CPR Device |

Scope of Practice for PS Certified Providers (cont)

| CARDIOVASCULAR / CIRCULATION |
|-------------------------------------|
| Skill |
| Transcutaneous Pacing – Automated |
| Transcutaneous Pacing – Manual |

| IMMOBILIZATION |
|--|
| Skill |
| Spinal Immobilization – Assessment Based |
| Spinal Immobilization – Cervical Collar |
| Spinal Immobilization – Long Board |
| Spinal Immobilization – Manual Stabilization |
| Spinal Immobilization – Seated Patient (KED, etc.) |
| Splinting – Manual |
| Splinting – Rigid |
| Splinting – Soft |
| Splinting – Traction |
| Splinting – Vacuum |

| IV INITIATION / MAINTENANCE / FLUIDS |
|---|
| Skill |
| Blood/ Blood By-Products |
| Colloids – (Albumin, Dextran) |
| Crystalloid (D ₅ W, R/L, NS) |
| Intraosseous – Initiation |
| Umbilical - Initiation |
| Peripheral – Initiation |
| Maintenance – Medicated IV Fluids |
| Maintenance – Non-Medicated IV Fluids (D ₅ W, R/L, NS) |

| MEDICATION ADMINISTRATION - ROUTES |
|---|
| Skill |
| Aerosolized/Nebulized |
| Buccal |
| Endotracheal Tube (ET) |
| Intramuscular (IM) |
| Intranasal |
| Intravenous (IV) Piggyback |
| Intravenous (IV) Push |
| Nasogastric |
| Oral |
| Rectal |
| Subcutaneous |
| Sub-lingual |

| MISCELLANEOUS |
|--|
| Skill |
| Assisted Delivery (child-birth) |
| Blood Glucose Monitoring |
| Blood Pressure – Manual/Automated |
| Epi-Pen – Carrying & Administration (By Protocol) |
| Capillary Blood Sampling - Obtaining (other than blood glucose monitoring) |
| Eye Irrigation |
| Eye Irrigation – Morgan Lens |
| Initiation of IV at Central Line Port |
| Over-the-Counter Medications (OTC) |
| Thrombolytic Therapy – Initiation |
| Thrombolytic Therapy – Monitoring |
| Urinary Catheterization |
| Venous Blood Sampling – Obtaining |

Critical Care Paramedic (CCP)

This EMS provider endorsement identifies individuals who hold a valid Iowa PS certification and have successfully completed an Iowa approved Critical Care Paramedic program. Individuals holding a valid endorsement as a CCP and working for an approved CCP transporting service may perform CCP skills listed below during an intra-facility critical care transport (CCT). CCP endorsement will expire along with the individual's PS certification on March 31. Individuals wishing to maintain their endorsement as a CCP must complete a minimum of 8 hours of continuing education based on the CCP core curriculum during their PS certification period.

Scope of Practice for PS Certified Providers with CCP Endorsement

| AIRWAY / VENTILATION / OXYGENATION |
|---|
| Skill |
| Airway - Esophageal/Tracheal - Multi Lumen |
| Airway – Nasal |
| Airway – Oral |
| Bag-Valve-Mask (BVM) |
| BiPAP |
| Bridge Devices |
| Chest Decompression – Needle |
| Chest Tube Placement – Assist Mode Only |
| Chest Tube – Monitoring & Management |
| CPAP |
| Cricoid Pressure (Sellick) |
| Cricothyroidotomy – Needle |
| Cricothyroidotomy - Surgical |
| Demand Valve – Oxygen powered |
| End Tidal CO ₂ Monitoring/Capnometry |
| Gastric Decompression – NG Tube |
| Gastric Decompression – OG Tube |
| Head-tilt/chin-lift |
| Intubation - Digital |
| Intubation - Lighted Stylet |
| Intubation – Medication Assisted (non-paralytic) |
| Intubation – Medication Assisted (paralytics) (RSI) |
| Intubation – Nasotracheal |
| Intubation - Orotracheal |
| Intubation – Retrograde |
| Jaw-thrust |
| Jaw-thrust - Modified (trauma) |
| Mouth-to-Barrier |
| Mouth-to-Mask |
| Mouth-to-Mouth |
| Mouth-to-Nose |
| Mouth-to-Stoma |

| AIRWAY / VENTILATION / OXYGENATION |
|---|
| (cont.) |
| Skill |
| Obstruction – Direct Laryngoscopy |
| Obstruction – Manual |
| Oxygen Therapy – Humidifiers |
| Oxygen Therapy – Nasal Cannula |
| Oxygen Therapy – Non-rebreather Mask |
| Oxygen Therapy – Partial Rebreather Mask |
| Oxygen Therapy – Regulators |
| Oxygen Therapy – Simple Face Mask |
| Oxygen Therapy – Venturi Mask |
| PEEP – Therapeutic (>6 cm H ₂ O pressure) |
| Pulse Oximetry |
| Suctioning – Tracheobronchial |
| Suctioning – Upper Airway |
| Ventilators – Automated Transport (ATV) |
| Ventilators, Automated – Enhanced Assessment & Management |

| ASSISTED MEDICATIONS – PATIENT'S |
|---|
| Skill |
| Activated Charcoal |
| Auto-Injected Epinephrine |
| Medicated Inhaler |
| Nitroglycerin |

Scope of Practice for PS Certified Providers with CCP Endorsement (cont)

| CARDIOVASCULAR / CIRCULATION |
|---|
| Skill |
| Cardiac Monitoring – Multi Lead (non-interpretive) |
| Cardiac Monitoring – Multi Lead (interpretive) |
| Cardiac Monitoring – Single Lead (non-interpretive) |
| Cardiac Monitoring – Single Lead (interpretive) |
| Cardiopulmonary Resuscitation (CPR) |
| Cardioversion – Electrical |
| Carotid Massage |
| Defibrillation – Automated / Semi-Automated (AED) |
| Defibrillation – Manual |
| Hemorrhage Control – Direct Pressure |
| Hemorrhage Control – Pressure Point |
| Hemorrhage Control – Tourniquet |
| Internal Cardiac Pacing – Monitoring Only |
| MAST/PASG |
| Mechanical CPR Device |
| Transcutaneous Pacing – Automated |
| Transcutaneous Pacing – Manual |

| IMMOBILIZATION |
|--|
| Skill |
| Spinal Immobilization – Assessment Based |
| Spinal Immobilization – Cervical Collar |
| Spinal Immobilization – Long Board |
| Spinal Immobilization – Manual Stabilization |
| Spinal Immobilization – Seated Patient (KED, etc.) |
| Splinting – Manual |
| Splinting – Rigid |
| Splinting – Soft |
| Splinting – Traction |
| Splinting – Vacuum |

| IV INITIATION / MAINTENANCE / FLUIDS |
|---|
| Skill |
| Arterial Line – Monitoring & Access Only |
| Blood/ Blood By-Products |
| Central Line – Monitoring & Access Only |
| Colloids – (Albumin, Dextran) |
| Crystalloid (D ₅ W, R/L, NS) |
| Intraosseous – Initiation |
| Peripheral – Initiation |
| Umbilical - Initiation |

| IV INITIATION / MAINTENANCE / FLUIDS |
|---|
| Skill |
| Maintenance – Medicated IV Fluids |
| Maintenance – Non-Medicated IV Fluids (D ₅ W, R/L, NS) |

| MEDICATION ADMINISTRATION - ROUTES |
|---|
| Skill |
| Aerosolized/Nebulized |
| Buccal |
| Endotracheal Tube (ET) |
| Intramuscular (IM) |
| Intranasal |
| Intravenous (IV) Piggyback |
| Intravenous (IV) Push |
| Nasogastric |
| Oral |
| Rectal |
| Subcutaneous |
| Sub-lingual |

| MISCELLANEOUS |
|--|
| Skill |
| Arterial Blood Sampling, Radial Site - Obtaining |
| Assisted Delivery (child-birth) |
| Blood Glucose Monitoring |
| Blood Pressure – Manual/Automated |
| Capillary Blood Sampling – Obtaining (other than blood glucose monitoring) |
| Epi-Pen – Carrying & Administration (By Protocol) |
| Eye Irrigation |
| Eye Irrigation - Morgan Lens |
| Hemodynamic Monitoring |
| ICP Monitoring |
| Initiation of IV at Central Line Port |
| Over-the-Counter Medications (OTC) |
| Thrombolytic Therapy – Initiation |
| Thrombolytic Therapy – Monitoring |
| Urinary Catheterization |
| Venous Blood Sampling – Obtaining |

EMS Skills by Certification Level - Comparison

| <u>AIRWAY / VENTILATION / OXYGENATION</u> | CERTIFICATION LEVELS | | | | | | | | | | | |
|---|-----------------------------|--------------------|----------|--------------------|----------|----------|----------|-------------------|--------------------|----------|-----------|------------|
| Skill | L | FR (79) | G | FR (96) | A | D | B | I (85) | I (85+) | P | PS | CCP |
| Airway - Esophageal/Tracheal - Multi Lumen | | | | X | | | X | X | X | X | X | X |
| Airway – Nasal | | | | X | X | X | X | X | X | X | X | X |
| Airway – Oral | | | | X | X | X | X | X | X | X | X | X |
| Bag-Valve-Mask (BVM) | X | X | X | X | X | X | X | X | X | X | X | X |
| BiPAP | | | | | | | | | | | | X |
| Bridge Device | | | | | | | | | | X | X | X |
| Chest Decompression – Needle | | | | | | | | | | X | X | X |
| Chest Tube Placement – Assist Mode Only | | | | | | | | | | | | X |
| Chest Tube – Monitoring & Management | | | | | | | | | | | | X |
| CPAP | | | | | | | | | | *** | X | X |
| Cricoid Pressure (Sellick) | X | X | X | X | X | X | X | X | X | X | X | X |
| Cricothyroidotomy – Needle | | | | | | | | | | X | X | X |
| Cricothyroidotomy - Surgical | | | | | | | | | | | | X |
| Demand Valve – Oxygen powered | | | | | X | X | X | X | X | X | X | X |
| End Tidal CO ₂ Monitoring/Capnometry | | | | | | | | | | X | X | X |
| Gastric Decompression – NG Tube | | | | | | | | | | X | X | X |
| Gastric Decompression – OG Tube | | | | | | | | | | X | X | X |
| Head-tilt/chin-lift | X | X | X | X | X | X | X | X | X | X | X | X |
| Intubation – Digital | | | | | | | | | | | | X |
| Intubation - Lighted Stylet | | | | | | | | | | X | X | X |
| Intubation – Medication Assisted (non-paralytic) | | | | | | | | | | X | X | X |
| Intubation – Medication Assisted (paralytics) (RSI) | | | | | | | | | | | X | X |
| Intubation – Nasotracheal | | | | | | | | | | | X | X |
| Intubation - Orotracheal | | | | | | | | | | X | X | X |
| Intubation – Retrograde | | | | | | | | | | | | X |
| Jaw-thrust | X | X | X | X | X | X | X | X | X | X | X | X |

*** = Requires additional specialty training

| <u>AIRWAY / VENTILATION / OXYGENATION (cont.)</u> | CERTIFICATION LEVELS | | | | | | | | | | | |
|---|-----------------------------|--------------------|----------|--------------------|----------|----------|----------|-------------------|--------------------|----------|-----------|------------|
| | L | FR (79) | G | FR (96) | A | D | B | I (85) | I (85+) | P | PS | CCP |
| Jaw-thrust - Modified (trauma) | X | X | X | X | X | X | X | X | X | X | X | X |
| Mouth-to-Barrier | X | X | X | X | X | X | X | X | X | X | X | X |
| Mouth-to-Mask | X | X | X | X | X | X | X | X | X | X | X | X |
| Mouth-to-Mouth | X | X | X | X | X | X | X | X | X | X | X | X |
| Mouth-to-Nose | X | X | X | X | X | X | X | X | X | X | X | X |
| Mouth-to-Stoma | X | X | X | X | X | X | X | X | X | X | X | X |
| Obstruction – Direct Laryngoscopy | | | | | | | | | | X | X | X |
| Obstruction – Manual | X | X | X | X | X | X | X | X | X | X | X | X |
| Oxygen Therapy – Humidifiers | | | | X | X | X | X | X | X | X | X | X |
| Oxygen Therapy – Nasal Cannula | | | | X | X | X | X | X | X | X | X | X |
| Oxygen Therapy – Non-rebreather Mask | | | | X | X | X | X | X | X | X | X | X |
| Oxygen Therapy – Partial Rebreather Mask | | | | X | X | X | X | X | X | X | X | X |
| Oxygen Therapy – Regulators | | | | X | X | X | X | X | X | X | X | X |
| Oxygen Therapy – Simple Face Mask | | | | X | X | X | X | X | X | X | X | X |
| Oxygen Therapy – Venturi Mask | | | | X | X | X | X | X | X | X | X | X |
| PEEP – Therapeutic (>6cm H ₂ O pressure) | | | | | | | | | | | X | X |
| Pulse Oximetry | | X | X | X | X | X | X | X | X | X | X | X |
| Suctioning – Tracheobronchial | | | | | | | | | | X | X | X |
| Suctioning – Upper Airway | | X | X | X | X | X | X | X | X | X | X | X |
| Ventilators – Automated Transport (ATV) | | | | | | | X | X | X | X | X | X |
| Ventilators, Automated – Enhanced Assessment & Management | | | | | | | | | | | | X |

| ASSISTED MEDICATIONS – PATIENT’S | CERTIFICATION LEVELS | | | | | | | | | | | |
|---|-----------------------------|----------------|----------|----------------|----------|----------|----------|---------------|----------------|----------|-----------|------------|
| Skill | L | FR (79) | G | FR (96) | A | D | B | I (85) | I (85+) | P | PS | CCP |
| Activated Charcoal | | | | | | | X | | X | X | X | X |
| Auto-Injected Epinephrine | | | | | | | X | | X | X | X | X |
| Medicated Inhaler | | | | | | | X | | X | X | X | X |
| Nitroglycerin | | | | | | | X | | X | X | X | X |

| CARDIOVASCULAR / CIRCULATION | CERTIFICATION LEVELS | | | | | | | | | | | |
|---|-----------------------------|----------------|----------|----------------|----------|----------|----------|---------------|----------------|----------|-----------|------------|
| Skill | L | FR (79) | G | FR (96) | A | D | B | I (85) | I (85+) | P | PS | CCP |
| Cardiac Monitoring – Multi Lead (non-interpretive) | | | | | | | *** | *** | *** | X | X | X |
| Cardiac Monitoring – Multi Lead (interpretive) | | | | | | | | | | | X | X |
| Cardiac Monitoring – Single Lead (non-interpretive) | | | X | X | | X | X | X | X | X | X | X |
| Cardiac Monitoring – Single Lead (interpretive) | | | | | | | | | | X | X | X |
| Cardiopulmonary Resuscitation (CPR) | X | X | X | X | X | X | X | X | X | X | X | X |
| Cardioversion – Electrical | | | | | | | | | | X | X | X |
| Carotid Massage | | | | | | | | | | X | X | X |
| Defibrillation – Automated / Semi-Automated (AED) | X | | X | X | | X | X | X | X | X | X | X |
| Defibrillation – Manual | | | | | | | | | | X | X | X |
| Hemorrhage Control – Direct Pressure | X | X | X | X | X | X | X | X | X | X | X | X |
| Hemorrhage Control – Pressure Point | X | X | X | X | X | X | X | X | X | X | X | X |
| Hemorrhage Control – Tourniquet | X | X | X | X | X | X | X | X | X | X | X | X |
| Internal Cardiac Pacing – Monitoring Only | | | | | | | | | | | | X |
| MAST/PASG | | | | | X | X | X | X | X | X | X | X |
| Mechanical CPR Device | | | | | X | X | X | X | X | X | X | X |
| Transcutaneous Pacing – Automated | | | X | X | | X | X | X | X | X | X | X |
| Transcutaneous Pacing – Manual | | | | | | | | | | X | X | X |

*** = Requires additional specialty training

| IMMOBILIZATION | CERTIFICATION LEVELS | | | | | | | | | | | |
|--|-----------------------------|--------------------|----------|--------------------|----------|----------|----------|-------------------|--------------------|----------|-----------|------------|
| Skill | L | FR (79) | G | FR (96) | A | D | B | I (85) | I (85+) | P | PS | CCP |
| Spinal Immobilization – Assessment Based | | | | | | | | | | | X | X |
| Spinal Immobilization – Cervical Collar | | X | X | X | X | X | X | X | X | X | X | X |
| Spinal Immobilization – Long Board | | | | | X | X | X | X | X | X | X | X |
| Spinal Immobilization – Manual Stabilization | X | X | X | X | X | X | X | X | X | X | X | X |
| Spinal Immobilization – Seated Patient (KED, etc.) | | | | | X | X | X | X | X | X | X | X |
| Splinting – Manual | X | X | X | X | X | X | X | X | X | X | X | X |
| Splinting – Rigid | | | | | X | X | X | X | X | X | X | X |
| Splinting – Soft | | | | | X | X | X | X | X | X | X | X |
| Splinting – Traction | | | | | X | X | X | X | X | X | X | X |
| Splinting – Vacuum | | | | | X | X | X | X | X | X | X | X |

| IV INITIATION / MAINTENANCE / FLUIDS | CERTIFICATION LEVELS | | | | | | | | | | | |
|--|-----------------------------|--------------------|----------|--------------------|----------|----------|----------|-------------------|--------------------|----------|-----------|------------|
| Skill | L | FR (79) | G | FR (96) | A | D | B | I (85) | I (85+) | P | PS | CCP |
| Arterial Line – Monitoring & Access Only | | | | | | | | | | | | X |
| Blood/ Blood By-Products | | | | | | | | | | X | X | X |
| Central Line – Monitoring & Access Only | | | | | | | | | | | | X |
| Colloids – (Albumin, Dextran) | | | | | | | | | | | X | X |
| Crystalloid (D ₅ W, R/L, NS) | | | | | | | | X | X | X | X | X |
| Intraosseous – Initiation | | | | | | | | | | X | X | X |
| Peripheral – Initiation | | | | | | | | X | X | X | X | X |
| Umbilical - Initiation | | | | | | | | | | | X | X |
| Maintenance – Medicated IV Fluids | | | | | | | | | | X | X | X |
| Maintenance – Non-Medicated IV Fluids (D ₅ W, R/L, N/S) | | | | | | | X | X | X | X | X | X |

| MEDICATION ADMINISTRATION - ROUTES | CERTIFICATION LEVELS | | | | | | | | | | | |
|---|-----------------------------|--------------------|----------|--------------------|----------|----------|----------|-------------------|--------------------|----------|-----------|------------|
| Skill | L | FR (79) | G | FR (96) | A | D | B | I (85) | I (85+) | P | PS | CCP |
| Aerosolized/Nebulized | | | | | | | | | | X | X | X |
| Buccal | | | | | | | | | | X | X | X |
| Endotracheal Tube (ET) | | | | | | | | | | X | X | X |
| Intramuscular (IM) | | | | | | | | | | X | X | X |
| Intranasal | | | | | | | | | | X | X | X |
| Intravenous (IV) Piggyback | | | | | | | | | | X | X | X |
| Intravenous (IV) Push | | | | | | | | | | X | X | X |
| Nasogastric | | | | | | | | | | X | X | X |
| Oral | | | | | | | | | | X | X | X |
| Rectal | | | | | | | | | | X | X | X |
| Subcutaneous | | | | | | | | | | X | X | X |
| Sub-lingual | | | | | | | | | | X | X | X |

| MISCELLANEOUS | CERTIFICATION LEVELS | | | | | | | | | | | |
|---|-----------------------------|--------------------|----------|--------------------|----------|----------|----------|-------------------|--------------------|----------|-----------|------------|
| Skill | L | FR (79) | G | FR (96) | A | D | B | I (85) | I (85+) | P | PS | CCP |
| Arterial Blood Sampling, Radial Site - Obtaining | | | | | | | | | | | | X |
| Assisted Delivery (child-birth) | X | X | X | X | X | X | X | X | X | X | X | X |
| Blood Glucose Monitoring | | | | | | | X | X | X | X | X | X |
| Blood Pressure – Manual/Automated | | X | X | X | X | X | X | X | X | X | X | X |
| EPI-Pen – Carrying & Administration (By Protocol) | | | | | | | X | X | X | X | X | X |
| Capillary Blood Sampling – Obtaining (other than blood glucose monitoring) | | | | | | | | X | X | X | X | X |
| Eye Irrigation | | X | X | X | X | X | X | X | X | X | X | X |
| Eye Irrigation – Morgan Lens | | | | | | | | | | X | X | X |
| Hemodynamic Monitoring | | | | | | | | | | | | X |
| ICP Monitoring | | | | | | | | | | | | X |
| Initiation of IV at Central Line Port | | | | | | | | *** | *** | X | X | X |
| Over-the-Counter Medications (OTC) | | X | X | X | X | X | X | X | X | X | X | X |
| Thrombolytic Therapy – Initiation | | | | | | | | | | | X | X |

| MISCELLANEOUS (cont) | CERTIFICATION LEVELS | | | | | | | | | | | |
|-----------------------------------|-----------------------------|--------------------|----------|--------------------|----------|----------|----------|-------------------|--------------------|----------|-----------|------------|
| Skill | L | FR (79) | G | FR (96) | A | D | B | I (85) | I (85+) | P | PS | CCP |
| Thrombolytic Therapy – Monitoring | | | | | | | | | | X | X | X |
| Urinary Catheterization | | | | | | | | | | X | X | X |
| Venous Blood Sampling – Obtaining | | | | | | | | X | X | X | X | X |

*** = Requires additional specialty training