



SOUTH EAST ASIA PREHOSPITAL EMERGENCY

CARE COLLEGE



DIPLOMA PARAMEDICAL RESEARCH & ASSOCIATE DEGREE REMOTE MEDICAL PRACTICE

SEAPHECC/ISRMP/ASSOCIATE DEGREE PARAMEDICAL RESEARCH



2015 – 2023 VERSION 5

SOUTH EAST ASIA PREHOSPITAL EMERGENCY CARE COLLEGE/AUSTRALASIAN REGISTRY OF
EMERGENCY MEDICAL TECHNICIANS/INTERNATIONAL SOCIETY OF REMOTE MEDICAL
PRACTITIONERS
AUSTRALIA-UNITED STATES-UAE-WEST AFRICA



SOUTH EAST ASIA PREHOSPITAL EMERGENCY — CARE COLLEGE —

SEAPHECC PARAMEDIC DIPLOMA PARAMEDICAL SCIENCE PROGRAM
DIPLOMA IN EMERGENCY CARE
ASSOCIATE DEGREE PARAMEDICAL RESEARCH/REMOTE MEDICAL PRACTITIONER

REMOTE ACTIVE LEARNING DEGREE

EMERGENCY MEDICAL TECHNICIAN-PARAMEDIC

PARAMEDIC ACTIVE LEARNING EDUCATION

Continuing Education towards

Diploma Paramedical Science/Diploma in Emergency Care

subject to RTO Diploma RPL criteria and acceptance

AUSTRALIAN HEALTH TRAINING PACKAGE RPL RECOGNITION

ECSI-AAOS-US NTSA GUIDELINES

January 2015-January 2023

1750 hours Nominal Training & Practical Evidence

For EMTs with EMS experience

New CME International Diploma available for the program.

Offshore Remote EMT-P Programme

ADVANCED Emergency Medical Technician Programme

UK/US DOT Guidelines for NREMT requirements

AREMT Registration and Australian Health package

TARGET AUDIENCE:

This Emergency Medical Technician PARAMEDIC program is designed for participants wishing to gain a DIPLOMA/ASSOCIATE DEGREE as an Emergency Medical Technician - Paramedic enabling them with advanced medical skills and knowledge. The course is designed for those as medical centre operators, rescue personnel, firefighters, remote area medical operations, marine and industrial rescue personnel, offshore EMTs and trained EMS professionals seeking pre-hospital care and ambulatory skills, for recognition as EMT Paramedic.

PROGRAM ENTAILS 24 MONTHS (2YEARS) MANDATORY COMPLIANCE FOR UAE AUTHORITY ACCEPTANCE, DEGREE (NURSING HOLDERS OR OTHERS) WILL HAVE A TRANSITION PROGRAM





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COURSE PREREQUISITES:

ASHI/ECSI Professional Rescuer CPR or equivalent

EMT ADVANCED - AMBULATORY TRAINING-EVIDENCE or EQUIVALENT

EMT LEVEL MUST BE MINIMUM 12 MONTHS PRIOR TO PARAMEDIC COURSE POST COURSE
EXPERIENCE EVIDENCE.





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COMPETENCIES GAINED

Emergency Medical Services Systems

Roles and Responsibilities

The Well-Being of the Paramedic

Injury Prevention

Medical/Legal Issues

Ethics

Review of Human Systems

General Principles of Pathophysiology

Life Span Development

Therapeutic Communication

History Taking

Techniques of Physical Examination

Patient Assessment

Clinical Decision Making

Assessment Based Management

Communications Documentation

Pharmacology

Venous Access and Medication Administration

Airway Management and Ventilation

Trauma Systems/Mechanism of Injury

Hemorrhage and Shock Soft Tissue Trauma

Burns Head and Facial Trauma





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DIPLOMA IN EMERGENCY CARE

Spinal Trauma Thoracic Trauma Abdominal Trauma

Musculoskeletal Trauma

Cardiology Pulmonary Emergencies

Neurology

Endocrinology

Allergies and Anaphylaxis

Gastroenterology Urology

Toxicology Hematology

Environmental Conditions

Infectious and Communicable Diseases

Behavioral and Psychiatric Disorders

Gynecology Obstetrics Neonatology

Pediatrics Geriatrics

Abuse and Neglect

Patients with Special Challenges

Acute Interventions for the Home Health Care Patient

Ambulance Operations Medical Incident Command

Rescue Awareness and Operations

Crime Scene Awareness

Hazardous Materials Incidents

Bioterrorism and Weapons of Mass Destruction

Additional Modules ELECTIVE

eACLS – online

Advanced Treatment of Trauma





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PEPP Course & GEEMS Course

PLEASE NOTE COURSE COMPLETION REQUIREMENTS

****Pre-requisite of EMT programmes required****

****Online pre-course study 6 months minimum including eACLS and ATTRAUMA****

***** On site Advanced/Paramedic course fees are additional for completion****

****Clinical face to face review - as required (part-time) 120 days min review..**

****ALS/IV cannulation and Paramedic Review Subjects**

CLINICAL ATTACHMENT-MINIMUM 450 HOURS

AMBULATORY ATTACHMENT-MINIMUM 350 HOURS

COMBINED WITH DISTANCE AND ONSITE ADVANCED SUBJECTS REVIEW

EMT-ADVANCED Assessments to be completed

RPL towards Diploma in Paramedical Science subject to current EMS qualifications mapping with our RTO requirements and approval. Fee will apply for assessment.

This requires additional Diploma application process via AREMT RTOs.

*****GAP AQTF DIPLOMA HLT MODULE UNITS WILL BE ADDED ACCORDINGLY...*****

INCLUDES :EMT-P training guidelines, Certificate, Workbooks ACLS, CURRENT Paramedic Manual.

AREMT Registration on completion for 12 months.

Online 12 month Continuing Education Units.

INCLUDES : EMT-P training guidelines, Certificates, registration

EMT Paramedic Eversion Manuals.....

Paramedic online skills/subjects, plus Advanced Treatment of Trauma...





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AREMT-Paramedic Registration.....

TRANSITION RN - EMT-P A\$4250.00

FULL PARAMEDIC DIPLOMA/ASSOCIATE DEGREE PROGRAMME (A\$6850.00)

DIPLOMA IN EMERGENCY CARE AUSTRALIAN QUALIFICATION APPLICATION

(NOT COMPULSORY)

A\$6550.00

Additional

(1) Assessor/Trainer....A\$POA per hr/ per day with Assessor for ACLS finals and clinical at group rates

Negotiable for location or with your local Trainer/Assessor, to be advised when group assessment required.





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Programme Structure

Months 1-2

Emergency Medical Services Systems

Roles and Responsibilities

The Well-Being of the Paramedic

Injury Prevention

Medical/Legal Issues

Ethics

Review of Human Systems

General Principles of Pathophysiology

Life Span Development

Therapeutic Communication

Months 3-4

History Taking

Techniques of Physical Examination

Patient Assessment

Clinical Decision Making

Assessment Based Management

Communications Documentation

Pharmacology





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Venous Access and Medication Administration

Months 4-6

Airway Management and Ventilation

Trauma Systems/Mechanism of Injury

Hemorrhage and Shock Soft Tissue Trauma

Burns Head and Facial Trauma

Spinal Trauma Thoracic Trauma Abdominal Trauma

Musculoskeletal Trauma

Advanced Treatment of Trauma Module Completions

Months 6-8

Cardiology Pulmonary Emergencies

Neurology

Endocrinology

Allergies and Anaphylaxis

Gastroenterology Urology

Toxicology Hematology

Environmental Conditions

Infectious and Communicable Diseases

Behavioral and Psychiatric Disorders

Gynecology Obstetrics

Months 9

Neonatology

Pediatrics Geriatrics

Abuse and Neglect





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Paediatric and Geriatric Education for Pre Hospital Care Units Completion

Months 10-12

Patients with Special Challenges

Acute Interventions for the Home Health Care Patient

Ambulance Operations Medical Incident Command

Rescue Awareness and Operations

Crime Scene Awareness

Hazardous Materials Incidents

Bioterrorism and Weapons of Mass Destruction

SECOND YEAR SEMESTERS

Phase 1 Course of Study ASSOCIATE DEGREE REMOTE MEDICINE IN PRACTICE

1. Anatomy and Physiology Advanced Clinical Review

- a. Review of basic A & P
- b. Surface anatomy review
- c. Radiology anatomy review
- d. Cadaver dissection videos
- e. Surgical procedure videos
- f. Clinical case correlations

2. Introduction to Advanced Patient Care

- a. Medical terminology & abbreviation review
- b. Documentation, PEF's, FMC's, 9-Lines
- c. Telemedicine & remote communications





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d. Use of Physician Medical Control

e. The standard patient history data

f. The standard patient physical examination

g. Specialty examinations

h. Evaluation of pain, consciousness level, mental status

3. Medications

a. Medication Names and Classifications

b. Care and Considerations

c. Pharmacology, calculations, administration

d. Medications in the Advanced Operational Practitioner Formulary

4. Diagnosis & Initial Management of Operational Medical Emergencies

a. Acute abdominal pain

b. Acute barotrauma

c. Acute behavioral changes

d. Acute dental pain

e. Acute head and neck infection

f. Acute mountain sickness

g. Allergic rhinitis, hay fever, cold-like symptoms

h. Anaphylactic reaction

i. Asthma

j. Back pain

k. Bronchitis or pneumonia





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I. Cellulitis

m. Chest pain of possible cardiac origin

n. Constipation or fecal impaction

o. Contact dermatitis

p. Corneal abrasion or ulcer, conjunctivitis

q. Cough

r. Cutaneous abscess

s. Deep venous thrombosis

t. Dehydration

u. Epistaxis

v. Flank pain

w. Fungal skin infection

x. Gastroenteritis

y. Headache

z. HACE

aa.HAPE

bb.HIV post-exposure prophylaxis

cc. Hyperthermia

dd.Hypothermia

ee.Ingrown toenail

ff. Joint infection

gg.Loss of consciousness (without seizures)

hh.Malaria

ii. Meningitis





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jj. Otitis externa

kk. Otitis media

ll. Pain control

mm. Pulmonary embolus

nn. Renal colic or kidney stone

oo. Seizures

pp. Sepsis or septic shock

qq. Smoke inhalation

rr. Spontaneous pneumothorax

ss. Subungual hematoma

tt. Testicular pain

uu. Urinary tract infection

5. Operational Medical Procedures

a. Airway Decision Making

b. Initial Airway Maneuvers

c. Oxygen use

d. Needle Cricothyrotomy

e. Needle Thoracentesis

f. Urethral catheterization

g. Nasogastric Tubes

h. Intraosseous Infusion (IO)

i. Hemorrhage Control

j. Improvisational medicine & care





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6. Operational Medical Care

- a. Triage b. Cardiopulmonary Life Support
- c. Declining/Stopping resuscitation
- d. Intoxication/OD
- e. Heat/Cold injuries local & systemic
- f. Stress & psychological injuries

7. Operational Trauma Care

- a. A general approach to operational trauma
- b. System specific trauma care
- c. Blast & burn trauma

8. Advanced Operational Medical Care

- a. Rapid Medical Assessment
- b. Additional Medical medications/drugs
 - c. Shock
 - d. WMD

9. Advanced Operational Trauma Care

- a. Trauma mechanisms, energy transfer, wound ballistics
- b. Rapid Trauma Assessment
- c. Additional Trauma medications/drugs
- d. Hemorrhagic shock





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- e. Blood transfusions
- f. Wound care & wound closures
- g. Sports medicine

10. Advanced Operational Medicine Procedures

- a. Advanced Airway Decision Making
- b. Translaryngeal Jet Ventilation
- c. Surgical Cricothyrotomy
- d. Thoracostomy (Chest Tube)
- e. Suprapubic Needle Cystotomy
- f. Venous Cutdown
- g. Transfusion Therapy: Blood and Blood products
- h. Field amputations
- i. Compartment Syndrome Fasciotomy
- j. Escharotomy k. Advanced Dental Care

11. Tactical Casualty Care & High-Threat Medicine

- a. Military Medic History
- b. Civilian medicine vs. combat medicine
- c. Echelons (Levels) of Care
- d. Pre-hospital Care in The Tactical Environment
- e. Care under fire
- f. Tactical Field Care
- g. Casualty Evacuation (CASEVAC)





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h. Medical evacuation (MEDEVAC)

i. Aero-medical Evacuation (AE)

j. Injuries From Explosives

k. Urban Warfare l. Ethical Considerations for The Combat Medic m. TCCC for mission commanders

12.Environmental, Diving, & Aerospace Medicine

a. General Poisonings and Management

b. Hazardous Plants world wide

c. Dangerous animals world wide

d. High Altitude Environment

e. Human Physiological Responses to High Altitude

f. Operational Related Factors in High Altitudes

g. Medical Problems in High-Mountain Areas

h. Doctrine and Principles

i. Flight Physiology and the Physical Stresses of Flight

j. Pre-Flight Assessment

k. In-Flight Management Considerations

13.Deployment, Force Protection, Travel, & Public Health Medicine

a. Medical material management

b. Medical kits, supplies, control, inspection

c. Sources for information

d. Pre-travel Health Risk Assessment





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- e. Medical mission planning
- f. Immunizations
- g. Personal hygiene
- h. Food & water sanitation
- i. Waste control & disposal
- j. Pest & vector control

14. Transport & Evacuation

- a. Patient immobilization/restraint
- b. Transport platforms
- c. Special considerations

Phase II Course of Study (Clinical/Practical)

1. Medical Fundamentals

- a. Orientation to Remote Medicine
 - b. Anatomy
- c. Clinical Surface Anatomy
 - d. Pathophysiology
 - e. Medical Math
- f. Medical Terminology
- g. Personal Protection

2. Communications and Telemedicine

- a. Audio, Visual and Data Equipment
 - b. Medical Direction
- c. Protocols, Guidelines, Procedures and SOPs





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3. Central Supply and Store

- a. Cleaning Packaging and Storage
- b. Sterilization

4. Operation of a Remote Clinic

- a. Legalities, Resources and Supplies
- b. Location, Facilities and Infrastructure
 - c. Security
 - d. Supply and Resupply
- e. Patient Flow Through Facility
- f. Strike and Move Operations

5. Patient Movement and CASEVAC Procedures

- a. Patient Carries
- b. Soft Stretchers
- c. Stokes, Sked and KED
- d. Docks, Hatches and Obstacles
- e. Ground Vehicles
- f. Air Vehicles





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6. Nursing Skills

- a. General Principles
- b. Lines, Tubes and Drains
- c. Patient Hygiene d. Nutrition e. Dying and Death

7. Field Laboratory Medicine

- a. Field Equipment
- b. Sputum
- c. Urine
- d. Blood Formed Elements
- e. Blood Electrolytes
- f. Stool
- g. Miscellaneous

8. Medication and Fluid Administration

- a. Sharps & Personal Protection Review and Disposal
- b. Medication Delivery
- c. Fluid Concepts
- d. Proctoclysis
- e. Dermoclysis
- f. Peritoclysis
- g. IO
- h. Peripheral IV





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i. Central IV j. Transport with Fluids

9. Trauma and Shock Resuscitation

a. Shock

b. Fluid and General Resuscitation/Interventions

c. Blood Resuscitation

d. Blast and Crush Injuries

e. Burn Injuries

f. Penetrating Injuries

10. Orthopedics, Head and Spine Injuries

a. Anatomy Implications and General Orthopedic Principles

b. Upper Fx and Dislocations

c. Lower Fx and Dislocations

d. Head and Spinal Cord Injuries

e. Spinal Immobilization, Clearance and Transport

11. Anaesthesia

a. General principles

b. Local c. Regional d. Conscious Sedation e. TIVA





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12.Surgical Procedures

- a. General principles
- b. Wound Healing
 - c. Wound care
 - d. Wound Repair
- e. Special Procedures and techniques

13.General Pharmacology

- a. Pharm physiology
- b. Units of Measure and Calculations
 - c. Cardiac
 - d. Respiratory
 - e. GI
 - f. Neuro/Metabolic
 - g. Pain
 - h. Anti-Infective

14.Medical Conditions

- a. Cardiac
- b. Respiratory
- c. GI
- d. Neuro/Metabolic
- e. Infectious/Sepsis





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15.Environmental Conditions

- a. Heat
- b. Cold
- c. Flora and Fauna
- d. Diving
- e. Altitude
- f. Miscellaneous

16.Field Critical Care

- a. General Principles
- b. Advanced Patient Monitoring
- c. Advanced Resuscitation
- d. Special Populations
 - e. Geriatrics
 - f. Pediatrics
 - g. Women

17.EENT Conditions

- a. General principles
- b. Eye Conditions
- c. Ear Conditions
- d. Nose Conditions
- e. Throat Conditions





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18. Dermatology Conditions

- a. General Principles
- b. Infectious Conditions
- c. Non-Infectious Conditions
- d. Chronic, Emergency, & Systemic Diseases

19. Podiatry Conditions

- a. General Conditions
- b. Nail Conditions
- c. Boney & Soft Tissue Conditions
- d. Procedures, Tenotomies, Amputations, Casting

20. Psychiatric Conditions

- a. General Principals
- b. Emergency Interventions

21. Physical Therapy and Manual Medicine

- a. General Principles
- b. Regional Techniques





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22. Preventive Medicine and Sanitation

- a. Force Protection
- b. Food Principles
- c. Water Principals
- d. Waste Principles
- e. Vector Control
- f. Public Health MEDCAPs

23. Primary care and Sick Call Medicine

- a. Management of the Top 20 “Boo-Boo” Problems
- b. The Top 100 Primary Care Conditions

24. WILDERNESS DENTISTRY/SURGICAL/INJURIES/CLINICAL PRACTICE UNITS AND ASSESSMENT

SCHEDULES MAY DIFFER AND EXTEND TO 24 MONTH ACTIVE LEARNING/BLENDED EDUCATION PLUS SKILLS ASSESSMENT AND REVIEW SESSIONS FOR EXAMINATION AT EACH TOPICAL CONCLUSION





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