

ROYAL NAVY (RN) MARINE ENGINEER CAREER BREAKPOINTS

Mapping of Royal Navy (RN) Marine Engineer career breakpoints and qualifications against the Institution of Mechanical Engineers threshold criteria for membership and Engineering Council (EngC) registration.

Marine Engineer Officer (Graduate) – Submarine Specialisation (MESM)			
RN career breakpoints	IMechE membership	EngC Registration	Notes
On entry holding MEng/BEng (Hons) or equivalent	Associate Member	Interim CEng registration	Degrees accredited for IEng registration only will need to be considered under AAC
Completes SEMC (MESM)	Associate Member	Interim CEng registration	Satisfies full academic requirement for CEng registration*
Awarded Machinery Charge Qualification (MCQ)	Member (MIMechE)	Full IEng registration	Degrees accredited for CEng satisfy academic base requirements for full IEng registration
Commencement of 'Charge' appointment e.g. DMEO	Member (MIMechE)	Full CEng registration	
On promotion to Commander RN	Fellow (FIMechE)	Full CEng registration	

* Submarine Service marine engineer officers complete a Postgraduate Diploma in Nuclear Engineering (awarded by Cranfield University) as part of the SEMC (MESM). Thus, the combination of a Bachelor's degree in an engineering / science subject accredited for CEng in part together with this Postgraduate Diploma (Further Learning) would satisfy the academic base requirements, in full, for CEng registration.

Marine Engineer Officer (Graduate) – General Service (ME)

Royal Navy career breakpoints	IMechE membership	EngC Registration	Notes
On entry holding MEng/BEng (Hons) or equivalent	Associate Member	Interim CEng registration	Degrees accredited for IEng registration only will need to be considered under AAC
Completes SEMC (ME)	Associate Member	Interim CEng registration	Satisfies full academic requirement for CEng registration except for Technical deepening if holding BEng (Hons)*
Awarded Machinery Charge Qualification (MCQ)	Member (MIMechE)	Full IEng registration	Degrees accredited for CEng satisfy academic base requirements for full IEng registration
Commencement of 'Charge' appointment e.g. MEO**	Member (MIMechE)	Full CEng registration	Will need to make up any Technical deepening academic shortfall prior to registration if holding BEng (Hons)***
On promotion to Commander RN	Fellow (FIMechE)	Full CEng registration	

* Marine Engineer Officers (General Service) who hold an MEng degree, or a BEng (Honours) degree accredited for Chartered Engineer registration [which they started prior to September 1999], already satisfy the academic qualification requirement, in full, for CEng registration and will not need to make up any academic shortfall.

** This includes the Marine Engineer Officer (MEO) of a Royal Navy surface vessel of significant engineering complexity e.g. Frigate/Destroyer, the Engineering Officer (EO) of a Survey Vessel or the Deputy Marine Engineer Officer (DMEO) of a large vessel such as an Aircraft Carrier or LPD.

*** Marine Engineer Officers (General Service) who do not hold the requisite academic qualifications for registration as a CEng will have to gain the necessary Further Learning to 'top up' a Bachelor's degree. These officers would only have to satisfy the Further Learning to Masters level requirement to meet the full academic base requirement for registration as a CEng. This could be met through various technical, Masters-level RN courses or private study or a combination of both. Individual marine engineer officers would be required to submit these details and be considered on a case-by-case basis by the Institution. This could also be achieved by completing a Career Learning Assessment which concentrated on technical deepening to Masters level.

Marine Engineer Officer (Senior Upper Yardman) – Submarine Specialisation (MESM)

Royal Navy career breakpoints	IMechE membership	EngC Registration	Notes
1. On entry holding FD/HND or equivalent	Associate Member	Interim IEng registration	
2. Completes SEMC (MESM)	Associate Member	Interim CEng registration	SEMC (MESM) contains a PgDip in Nuclear Engineering. SUYs will need to make up any academic shortfall to satisfy academic base requirements for interim CEng registration
3. Awarded Machinery Charge Qualification (MCQ)	Member (MIMechE)	Full IEng registration	HND plus SEMC with PgDip in Nuclear Engineering satisfies full academic requirement for IEng registration
4. Commencement of 'Charge' appointment	Member (MIMechE)	Full CEng registration	SUYs will need to make up academic shortfall to satisfy academic base requirements for full CEng registration
5. On promotion to Commander RN	Fellow (FIMechE)	Full CEng registration	

Marine Engineer Officer (Senior Upper Yardman) – General Service (ME)

Royal Navy career breakpoints	IMechE membership	EngC Registration	Notes
1. On entry holding FD/HND or equivalent	Associate Member	Interim IEng registration	
2. Completes SEMC (ME)	Associate Member	Interim IEng registration	SUYs will need to make up academic shortfall i.e. Technical deepening to satisfy academic base requirements for interim IEng registration
3. Awarded Machinery Charge Qualification (MCQ)	Member (MIMechE)	Full IEng registration	HND plus SEMC satisfies full academic requirement for IEng registration
4. Commencement of 'Charge' appointment*	Member (MIMechE)	Full CEng registration	SUYs will need to make up academic shortfall to satisfy academic base requirements for full CEng registration
5. On promotion to Commander RN	Fellow (FIMechE)	Full CEng registration	

* This includes the Marine Engineer Officer (MEO) of a Royal Navy surface vessel of significant engineering complexity e.g. Frigate / Destroyer, the Engineering Officer (EO) of a Survey Vessel or the Deputy Marine Engineer Officer (DMEO) of a large vessel such as an Aircraft Carrier or LPD.

Marine Engineering Technician – Submarine Specialisation (MESM)

Royal Navy career breakpoints	IMechE membership	EngC Registration	Notes
1. Completion of the apprenticeship (at NVQ Level 3) awarded at the end of the Leading Engineering Technician Qualifying Course (LETQC)	Member (MIMechE)	Full EngTech registration	
2. Completion of the Royal Navy Category 'B' Nuclear Watchkeeping certificate	Member (MIMechE)	Full IEng registration	Marine Engineering Technicians will need to make up academic shortfall to satisfy academic base requirements for full IEng registration if they do not hold a Bachelor's degree*
3. Completion of the Royal Navy Nuclear Propulsion Supervisor's Course (NPSupC) qualification	Member (MIMechE)	Full IEng registration	FD or equivalent plus career courses satisfies the full academic qualification requirement for IEng registration**

* If holders of a Category 'B' Nuclear Watchkeeping certificate do not hold a minimum of an accredited Bachelor's degree in an engineering subject, as a 'base' qualification, then they will need to demonstrate that they have also achieved the necessary IEng academic base on an individual basis. This could be achieved by completing a Career Learning Assessment which concentrated on technical deepening to Bachelor's level.

** The Nuclear Supervisors' Course (NSupC) qualification provides the necessary further learning to Bachelor's level to satisfy the academic base qualification for IEng registration for those Submarine Service senior ratings holding a minimum of a Foundation degree. If the Submarine Service senior ratings do not hold a minimum of a Foundation degree or equivalent in an engineering subject, as a 'base' qualification, then they will need to demonstrate that they have also achieved the necessary IEng academic base on an individual basis. This could be achieved by completing a Career Learning Assessment which concentrated on technical deepening to Bachelor's level.

Marine Engineering Technician – General Service (ME)

Royal Navy career breakpoints	IMechE membership	EngC Registration	Notes
1. Completion of the apprenticeship (at NVQ Level 3) awarded at the end of the Leading Engineering Technician Qualifying Course (LETQC)	Member (MIMechE)	Full EngTech registration	
2. Completion of POET Provisional Examination (PE), Completed the Royal Navy Petty Officer [Engineering Technician] Course, a minimum of 1 year experience as a Section Head or similar posting as a substantive POET.	Member (MIMechE)	Full IEng registration	Marine Engineering Technicians will need to make up academic shortfall to satisfy academic base requirements for full IEng registration if they do not hold a Bachelor's degree*
3. Completion of the Royal Navy Chief Petty Officer [Engineering Technician] (CPOET) Qualifying Course (CPOQC)	Member (MIMechE)	Full IEng registration	FD or equivalent plus career courses satisfies the full academic qualification requirement for IEng registration**

* The highest academic qualifications in engineering which a POET would gain solely through the Petty Officer Engineering Technician Qualifying Course (POETQC) at HMS SULTAN is a FD. If POETs do not hold a minimum of an accredited Bachelor's degree in an engineering subject, as a 'base' qualification, they will need to demonstrate that they have also achieved the necessary IEng academic base on an individual basis. This could be achieved by completing a Career Learning Assessment which concentrated on technical deepening to Bachelor's level.

**The 'Section Specific Adquals' completed after the POET PE and prior to CPOQC provide the necessary further learning to Bachelor's level to satisfy the academic base qualification for General Service ratings who do not hold a minimum of a Foundation degree or equivalent in an engineering subject. If CPOETs do not hold a minimum of a Foundation degree or equivalent in an engineering subject, as a 'base' qualification, then these CPOETs will need to demonstrate that they have also achieved the necessary IEng academic base on an individual basis. This could be achieved by completing a Career Learning Assessment which concentrated on technical deepening to Bachelor's level.