

22 WEEKS GRADUATE MECHANICAL ENGINEER (GME) PROGRAMME

The GME programme will lead to the issue of Class 5 Certificate of Competency (CoC), issued by the Maritime & Port Authority (MPA) of Singapore, upon successful completion of the GME Course at SMA, 6 months shipboard training and subsequent Class 5 oral examinations at MPA.

Recognition

GME programme of Singapore Maritime Academy meets the requirements of Maritime Port Authorities of Singapore.

Duration: 22 Weeks

This is a conversion course for graduate mechanical engineers, a pathway to join the careers of professional marine engineers.

The aim of this course is to educate and train engineers who hold Degree in Mechanical Engineering in accordance with the Reg. III/1 of STCW 1978 Convention as amended in 1995, which will lead to Class 5 Engineer Officer Certificate of Competency (watch-keeping engineering officer on board sea-going merchant vessels), issued by the Maritime and Port Authority of Singapore (MPA).

This conversion course will train a graduate mechanical engineer to perform as a competent shipboard marine engineer.

Curriculum Rationale

The course curriculum is organized to emphasize the required shipboard competencies. As the participants, with their background as graduate mechanical engineers are likely to be knowledgeable in basic engineering principles, this GME conversion course is structured to include more practice based shipboard skills.

Some face-to-face introductory lectures are included to give overview of the engine room environment and to relate the duties and responsibilities, when serving as junior engineers on board. Additionally, the curriculum is aligned to promote safety culture as a shipboard way of life.

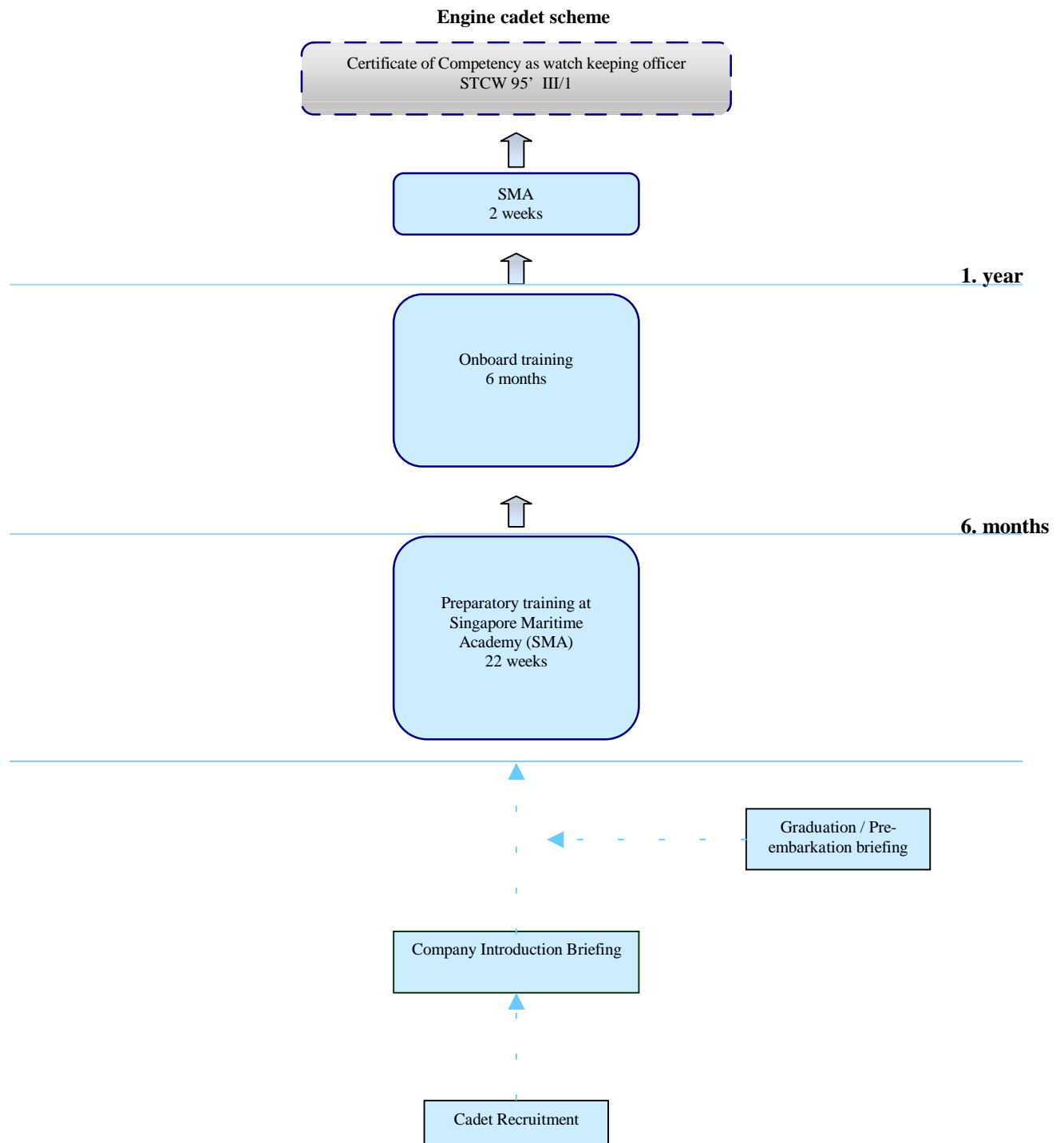
Instructional Strategies

The course is delivered through a series of supervised practice-based tasks, project work, introductory lectures and a number of short courses on safety and proficiency. The instructional methods are geared towards personal orientation to development of engineering skills as a basis for organizing self-learning.

The thrust is to develop a 'learning person' whose own efforts to make connections among ideas is given highest priority. The teaching approaches are focused towards providing opportunities for learners to construct meaning. Students also undertake a

number of projects during the programme, thus reflecting a truly student-centered implementation of the GME curriculum.

GRADUATE MECHANICAL ENGINEERS (GME / SMA)



SENIOR MODULE

