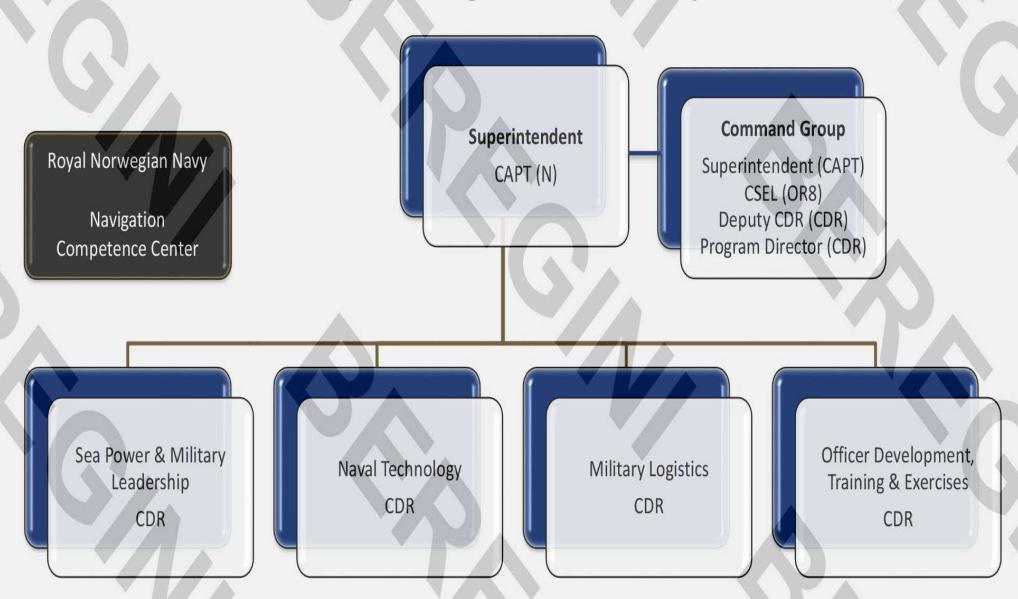


Royal Norwegian Naval Academy

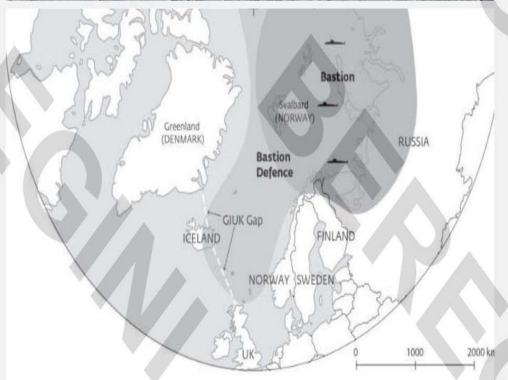


Norwegian Defense University College Royal Norwegian Naval Academy



Shaping warriors for operations in the Arctic





ARCTIC ROUTES OPENING TO COMMERCIAL VESSELS



- 2015 summer sea ice
- □ 2015 winter sea ice

- Northeast Passage

2009: First commercial journey 2018: First journey without icebreaker

- Northwest Passage
- 2013: First commercial journey
- Transpolar Sea Route 2030: Expected to open

Data source: NOAA, THE ARCTIC INSTITUTE

HORIZON

Operating in the Arctic elements





Warfighting & Officer development

The Defence Act
Ministry of Defense







Accreditation

Act relating to Universities and University Colleges Ministry of Education and Research



Professional Military Education

Maritime Certificates

The Ship Safety Act + STCW
Norwegian Maritime Directorate
International Maritime Organization





Guidance & reflection



Engineering

Regulation on the Framework Curriculum for Engineering Education

Ministry of Education and Research

RNNA program tracks

- Bachelor in military studies Specialization in Naval Leadership and Navigation
- Bachelor in military studies Specialization in Leadership and...
 - Naval Engineering Machine Branch
 - Naval Engineering Weapons Branch
 - Military Logistics
 - Military Power and Security Operations
- Bachelor in Engineering Electrical Power and Automation (OR)



Other studies

Personnel w/civilian bachelor's degree

- Basic Officer Supplement ("anyone")
 - 2 years, including 1 year practice
- Basic Officer Supplement (at least 3 years as OR5)
 - 5 months

Other Ranks (OR)

- Senior Enlisted Education 1 to become OR6
 - 12 weeks
- Senior Enlisted Education 2 to become OR7
 - 12 weeks

Supporting NDUC's master's degree

- Sea Power
- Military Logistics



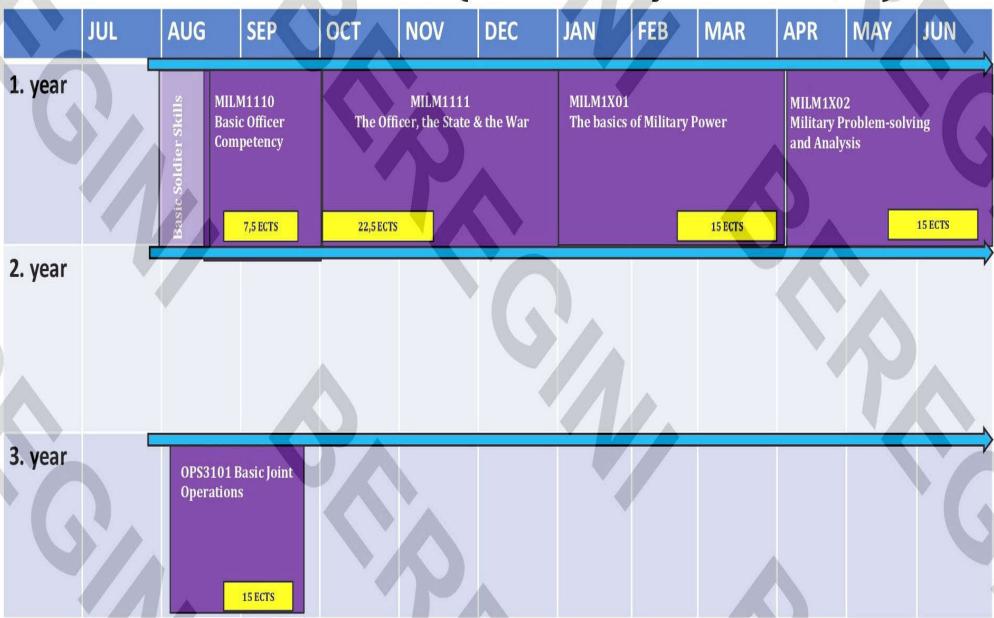


Status

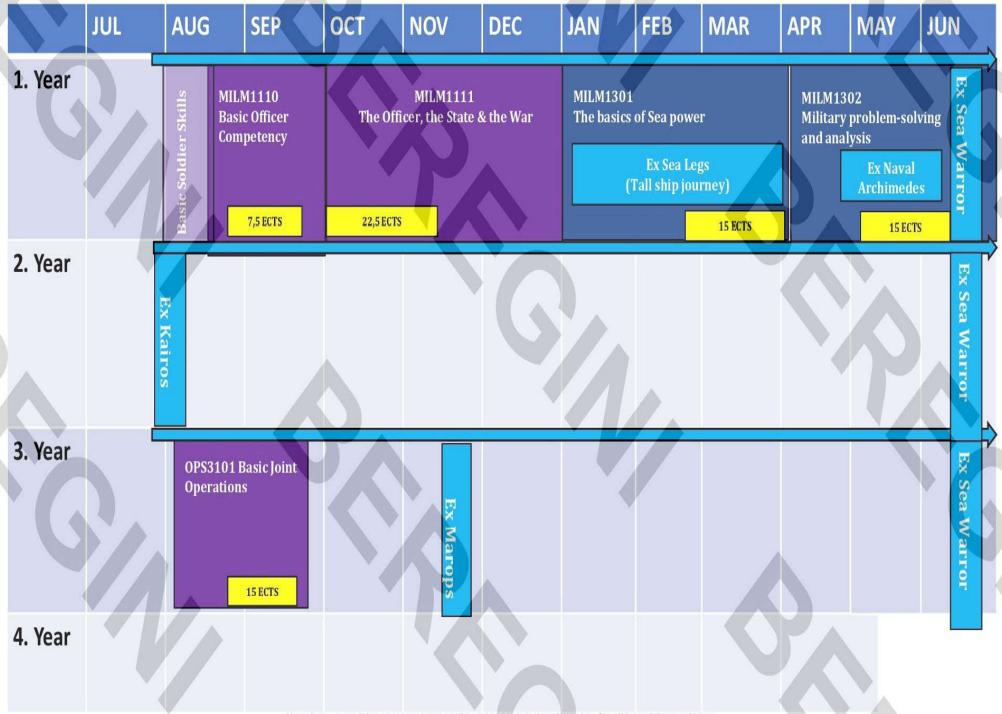
- Defense education reform implemented in 2018:
 - One program
 - 1. year + joint operations
 - 180 ECTS
- Norwegian Defense University College ambitions
 - Bologna process (standardization)
 - Compliance with Norwegian laws and regulations
 - Learning outcomes (LOs)
 - Outsourcing
 - Internationalization
 - Research & Development



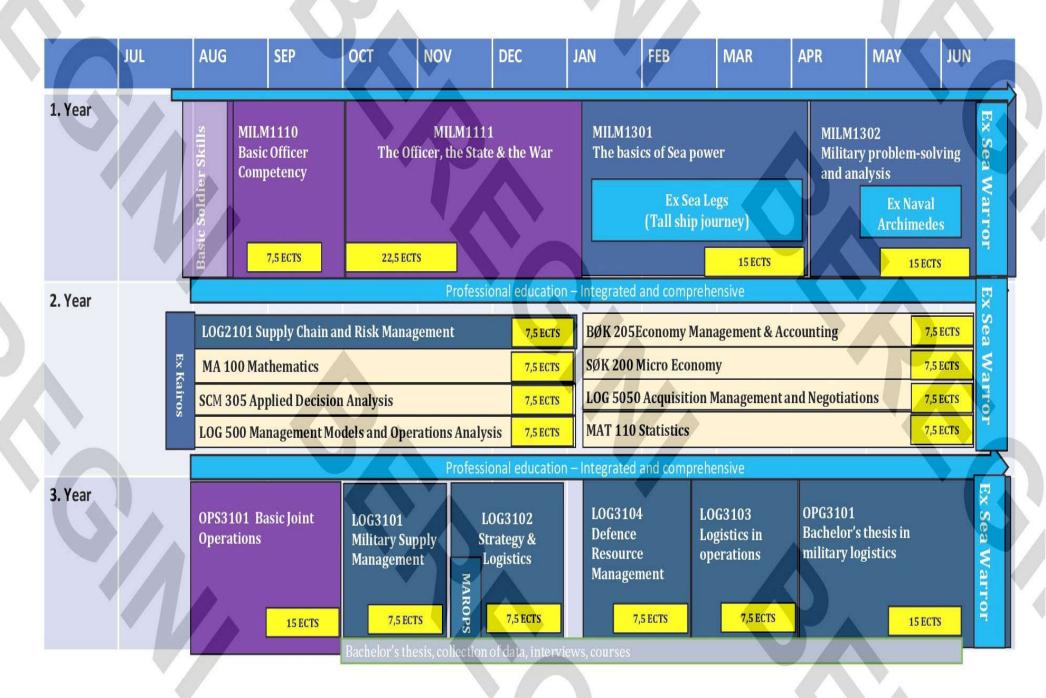
Common activities (all military academies)



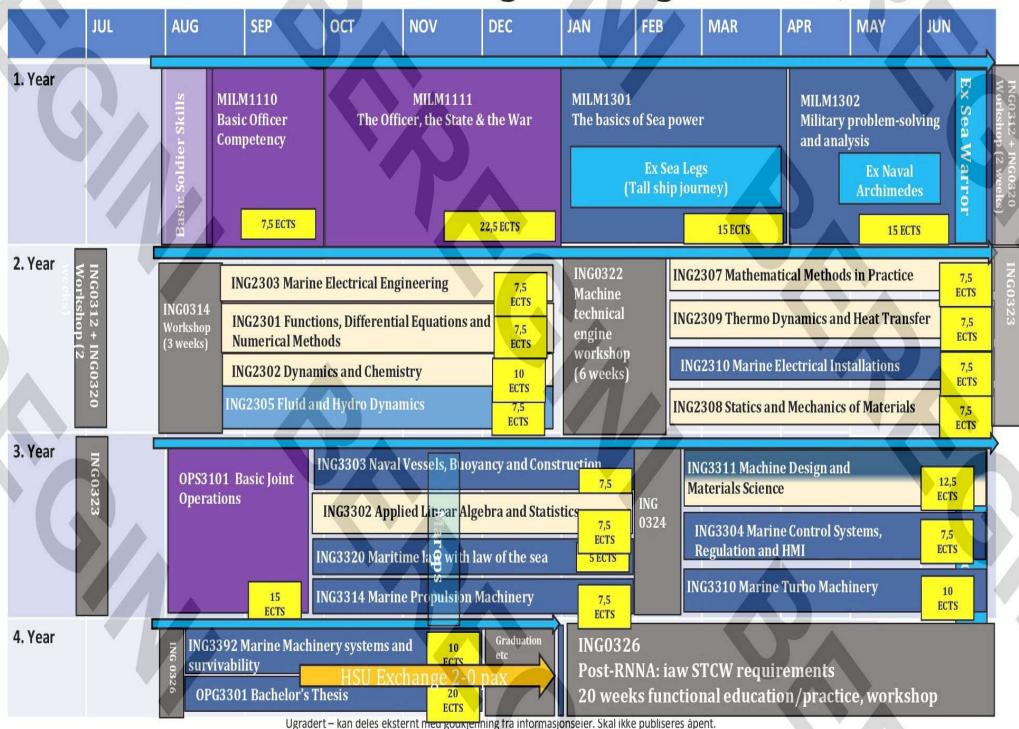
Common activities (RNNA)



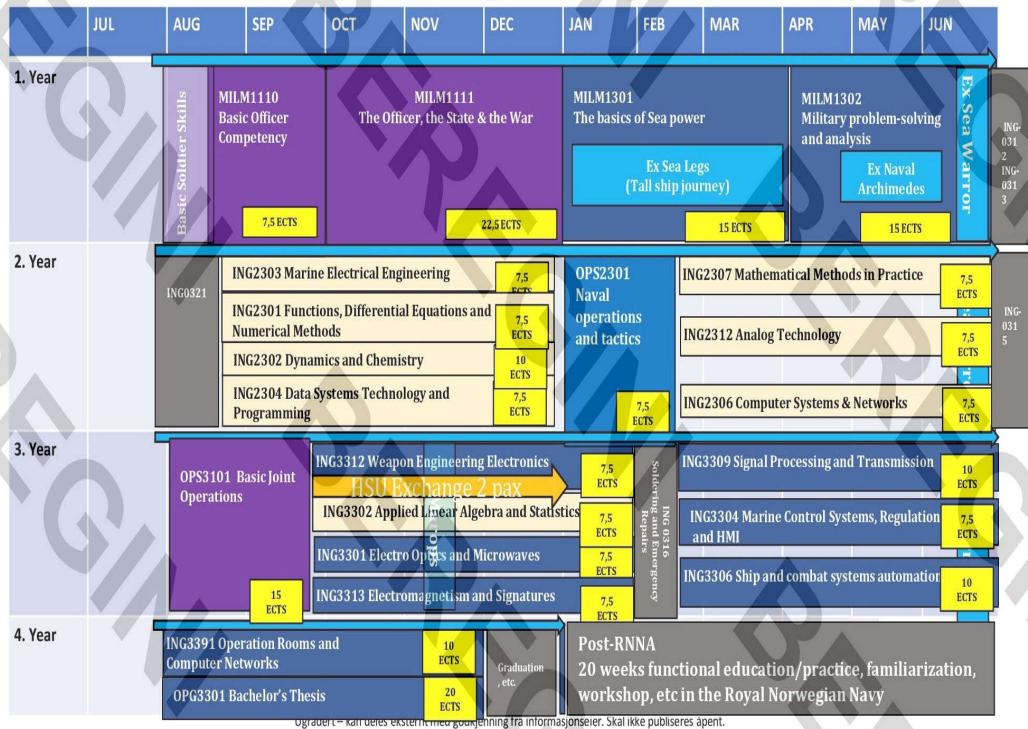
Military Logistics



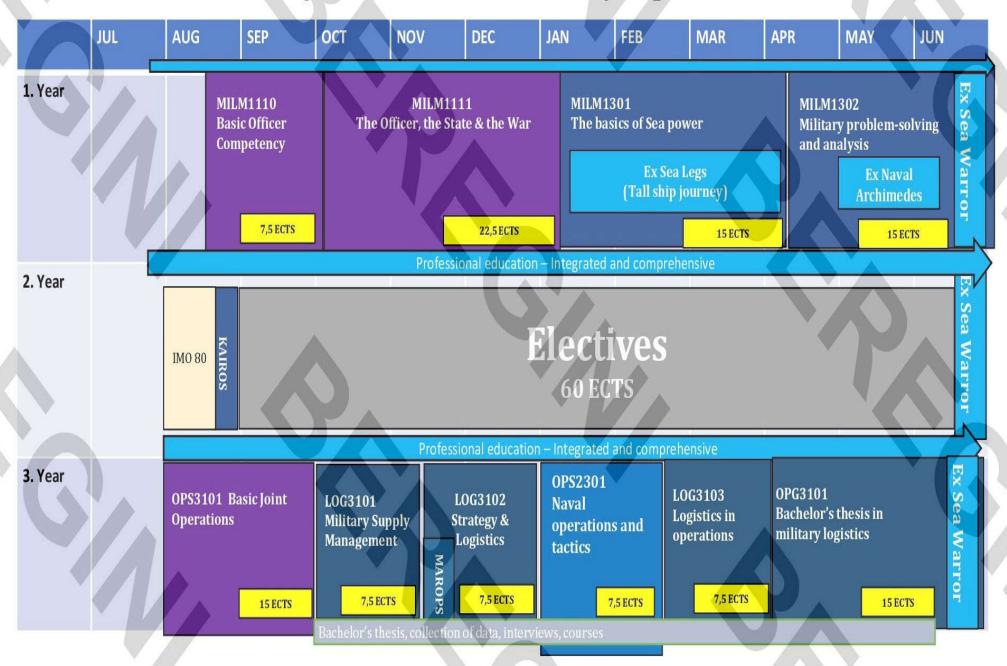
Naval Engineering



Naval Engineering - Weapons Branch



Military Power and Security Operations



Naval Leadership & Navigation

