

VA20 - Marine engineering A - 51 units

The admission requirement is 18 years of age and it is desirable that the student has marine experience. The study period is estimated to be 2 semesters (based on the start of the autumn semester). Certification of marine engineer officers on ships with propulsion machinery <750 kW.

Curriculum-based study program

Course	Course name	Units	Step	Semester
HÖSK2VA04AV-Hát	Ship design	4	2	1
KÆLI2VA05AV-Hát	Refrigeration technology 1	5	2	1
MLSU1VA03AV-Hát	Metal welding 1 - stud welding, flame welding/cutting, basic.	3	1	1
RAMV1VA04AV-Hát	Electrical engineering 1	4	1	1
RAMV2VA04BV-Hát	Electrical engineering 2	4	2	2
RAMV2VA04CV-Hát	Electrical engineering 3	4	2	2
SMÍÐ1VA04AV-Hát	Metalworking 1 - manual work, basic	4	1	1
STÝR1VA04AV-Hát	Steering technology of air and hydraulic controls	4	1	2
VÉLF1VA04AV-Hát	Engine theory 1	4	1	2
VÉLS1VA04AV-Hát	Marine engineering 1	4	1	1
VÉLS2VA04BV-Hát	Marine engineering 2	4	2	2
MÉLV3VA04AV-Hát	Engine maintenance - mechanics	4	3	2

VB20 - Marine engineering B - 191 units

Certification of marine engineer officers on ships with propulsion machinery <1500 kW. This is a 3-year study program that ends with confirmation that school studies have been completed for certification of marine engineer officers license B (and also for A obtained during the study period), and for a journeyman's degree in mechanics. Can be combined/added to matriculation studies (3 courses). The minimum requirement from primary school in English, Icelandic and mathematics is grade B. The condition for certification is 20 years of age, medical health certificate and seagoing service time.

Curriculum-based study program

Course	Course name	Units	Step	Semester	Certification
EÐLI2GR05BT-Hát	Movement, forces and energy	5	2	2	Vocational course - Certification B
EFNA2AE05BT-Hát	Elements, molecules and chemical bonds	5	2	4	Vocational course - Certification B
ENSK2AE05AT-Hát	Literature and writing	5	2	1	Vocational course - Certification B
ENSK2OF05BT-Hát	Academic terminology and the United States	5	2	6	Vocational course - Certification B
HÖSK2VA04AV-Hát	Ship Design	4	2	3	Vocational course - Certification A
IÐTE1VB04AV-Hát	Industrial drawing - basic, freehand drawing	4	1	1	Vocational course - Certification B
IÐTE2VB04BV-Hát	Industrial drawing - basic computer drawing	4	2	2	Vocational course - Certification B
IÐTE3VB04CV-Hát	Industrial drawing - computer drawing continued	4	3	3	Vocational course - Certification B
ÍSLE2AA05AT-Hát	Icelandic, reading and writing	5	2	3	Vocational course - Certification B
ÍSLE2GO05BT-Hát	Icelandic language and cultural history	5	2	5	Vocational course - Certification B
ÍÞRÓ1GH02AT-Hát	The body in play and work	2	1	1	Vocational course - Certification B
ÍÞRÓ1LA01AT-Hát	Strength, fitness, agility	1	1	2	Vocational course - Certification B
ÍÞRÓ1LB01BT-Hát	Strength, fitness, agility	1	1	3	Vocational course - Certification B
ÍÞRÓ1LC01CT-Hát	Gymnastics - Strength, fitness, agility	1	1	4	Vocational course - Certification B
KÆLI2VA05AV-Hát	Refrigeration technology 1	5	2	3	Vocational course - Certification A
LAGN3VB04AV-Hát	Piping technology	4	3	5	Vocational course - Certification B
LÍFS1GR05AT-Hát	Life skills	5	1	1	Vocational course - Certification B
MLSU1VA03AV-Hát	Metal welding 1 - stud welding, flame welding/cutting, basic.	3	1	1	Vocational course - Certification A
MLSU2VB03BV-Hát	Metal welding 2 - TIG-MIG-MAG, plasma cutting, basic course	3	2	4	Vocational course - Certification B
RAMV1VA04AV-Hát	Electrical engineering 1	4	1	2	Vocational course - Certification A
RAMV2VA04BV-Hát	Electrical engineering 2	4	2	3	Vocational course -

					Certification A
RAMV2VA04CV-Hát	Electrical engineering 3	4	2	4	Vocational course - Certification A
RAMV2VB04DV-Hát	Electrical engineering 4	4	2	6	Vocational course - Certification B
REIT2VB04AV-Hát	Electronics 1	4	2	5	Vocational course - Certification B
RENN2VB03AV-Hát	Lathe turning 1	3	2	2	Vocational course - Certification B
RÖKR3VB04AV-Hát	Logical circuits 1 - basic course	4	3	5	Vocational course - Certification B
SJÓR2SA04AS-Hát	Law of the sea - the legal environment of the fishing industry and shipping	4	2	5	Vocational course - Certification B
SKYN2SE01AT-Hát	Medical first-aid	1	2	6	Vocational course - Certification B
SMÍÐ1VA04AV-Hát	Metalworking 1 - manual work, basic	4	1	1	Vocational course - Certification A
SMÍÐ1VB04BV-Hát	Metal working 2 - manual work, sequel	4	1	4	Vocational course - Certification B
SMÍÐ2VB04CV-Hát	Metal working 3 - an independent handiwork project	4	2	6	Vocational course - Certification B
STIL3VB05AV-Hát	Control techniques 1 - basic course	5	3	5	Vocational course - Certification B
STJR2SB04AS-Hát	Management - Basics and insights	4	2	5	Vocational course - Certification B
STÝR1VA04AV-Hát	Steering technology of air and hydraulic controls	4	1	4	Vocational course - Certification A
STÆR2AH05BT-Hát	Algebra and functions	5	2	2	Vocational course - Certification B
STÆR2BR05AT-Hát	Geometry and statistics, probability theory and credit accounting	5	2	1	Vocational course - Certification B
STÆR3RV05CT-Hát	Vectors and trigonometric functions	5	3	3	Vocational course - Certification B
STÖL2SA04AS-Hát	Stability of ships	4	2	5	Vocational course - Certification B
UMHV2SA04AS-Hát	Marine ecology - ecosystems, pollution, log books	4	2	3	Vocational course - Certification B
VÉLF1VA04AV-Hát	Engine theory 1	4	1	2	Vocational course - Certification A
VÉLF2VB04BV-Hát	Engine theory 2	4	2	4	Vocational course - Certification B
VÉLS1VA04AV-Hát	Marine engineering 1	4	1	1	Vocational course - Certification A
VÉLS2VA04BV-Hát	Marine engineering 2	4	2	2	Vocational course - Certification A
VÉLS2VB04CV-Hát	Marine engineering 3	4	2	4	Vocational course - Certification B
VÉLS3VB04DV-Hát	Marine engineering 4	4	3	5	Vocational course - Certification B
VÉLS3VB04EV-Hát	Marine engineering 5	4	3	6	Vocational course - Certification B
VÉLT3VB04AV-Hát	Mechanical engineering 1	4	3	6	Vocational course - Certification B

VÉLV3VA04AV-Hát	Engine maintenance - mechanics	4	3	4	Vocational course - Certification A
VÖRS1VB04AV-Hát	Maintenance management, quality systems and safety management	4	1	5	Vocational course - Certification B

VC20 - Marine engineering C - 262 units

Certification of marine engineer officers on ships with propulsion machinery <3000 kW. This is a 4-year study program that ends with a matriculation certificate and confirmation of completion of school studies for marine engineering certification C (and also for A and B obtained during the study period), and for a journeyman's certificate in mechanics. The minimum requirement from primary school in English, Icelandic and mathematics is grade B. The condition for certification is 20 years of age, medical health certificate and seagoing service time.

Curriculum-based study program

Course	Course name	Units	Step	Semester	Certification
DANS2BM05AT-Hát	Danish - expression, reading and culture	5	2	7	Vocational course - Certification C
EÐLI2GR05BT-Hát	Movement, forces and energy	5	2	2	Vocational course - Certification B
EÐLI3AV05CT-Hát	Thermodynamics, mechanics and fluid dynamics	5	3	8	Vocational course - Certification C
EFNA2AE05BT-Hát	Elements, molecules and chemical bonds	5	2	4	Vocational course - Certification B
EFNA3JA05CT-Hát	Inorganic chemistry	5	3	7	Vocational course - Certification C
EFNA3VC04AV-Hát	Chemistry of oils and fluids	4	3	8	Vocational course - Certification C
ENSK2AE05AT-Hát	English - Literature and writing	5	2	1	Vocational course - Certification B
ENSK2OF05BT-Hát	English - Academic terminology and the United States	5	2	6	Vocational course - Certification B
ENSK3VG05CT-Hát	English - Scientific and technological English terminology	5	3	8	Vocational course - Certification C
HÖSK2VA04AV-Hát	Ship Design	4	2	3	Vocational course - Certification A
IÐTE1VB04AV-Hát	Industrial drawing - basic, freehand drawing	4	1	1	Vocational course - Certification B
IÐTE2VB04BV-Hát	Industrial drawing - basic computer drawing	4	2	2	Vocational course - Certification B
IÐTE3VB04CV-Hát	Industrial drawing - computer drawing, continued	4	3	3	Vocational course - Certification B
IÐTE3VB04DV-Hát	Industrial drawing - CAD/CAM drawings, processes, functions	4	3	6	Vocational course - Certification B
ÍSLE2AA05AT-Hát	Icelandic, reading and writing	5	2	3	Vocational course - Certification B
ÍSLE2GO05BT-Hát	Icelandic language and cultural history	5	2	5	Vocational course - Certification B
ÍÞRÓ1GH02AT-Hát	The body in play and work	2	1	1	Vocational course - Certification B
ÍSLE3BF05CT-Hát	Icelandic - Old literature	5	3	7	Vocational course - Certification C
ÍSLE3LF05CT-Hát	Icelandic - Literary history 1550-1900	5	3	8	Vocational course - Certification C
ÍÞRÓ1LA01AT-Hát	Strength, fitness, agility	1	1	2	Vocational course - Certification B
ÍÞRÓ1LB01BT-Hát	Gymnastics - Strength, fitness, agility	1	1	3	Vocational course - Certification B

ÍÞRÓ1LC01CT-Hát	Gymnastics - Strength, fitness, agility	1	1	4	Vocational course - Certification B
KÆLI2VA05AV-Hát	Refrigeration technology 1	5	2	3	Vocational course - Certification A
KÆLI3VC05BV-Hát	Refrigeration technology 2	5	3	7	Vocational course - Certification C
LAGN3VB04AV-Hát	Piping technology	4	3	5	Vocational course - Certification B
LÍFS1GR05AT-Hát	Life skills	5	1	1	Vocational course - Certification B
MLSU1VA03AV-Hát	Metal welding 1 - stud welding, flame welding/ cutting, basic.	3	1	1	Vocational course - Certification A
MLSU2VB03BV-Hát	Metal welding 2 - TIG-MIG-MAG, plasma cutting, basic course	3	2	4	Vocational course - Certification B
RAMV1VA04AV-Hát	Electrical engineering 1	4	1	2	Vocational course - Certification A
RAMV2VA04BV-Hát	Electrical engineering 2	4	2	3	Vocational course - Certification A
RAMV2VA04CV-Hát	Electrical engineering 3	4	2	4	Vocational course - Certification A
RAMV2VB04DV-Hát	Electrical engineering 4	4	2	6	Vocational course - Certification B
RAMV3VC04EV-Hát	Electrical engineering 5	4	3	7	Vocational course - Certification C
RAMV4VC05FV-Hát	Electrical engineering 6	5	4	8	Vocational course - Certification C
REIT2VB04AV-Hát	Electronics 1	4	2	5	Vocational course - Certification B
RENN2VB03AV-Hát	Lathe turning 1	3	2	2	Vocational course - Certification B
RÖKR3VB04AV-Hát	Logical circuits 1 - basic course	4	3	5	Vocational course - Certification B
RÖKR3VC04BV-Hát	Logical circuits 2, sequel	4	3	8	Vocational course - Certification C
SJÖR2SA04AS-Hát	Law of the sea - the legal environment of the fishing industry and shipping	4	2	5	Vocational course - Certification B
SKYN2SE01AT-Hát	Medical first-aid	1	2	6	Vocational course - Certification B
SMÍÐ1VA04AV-Hát	Metalworking 1 - manual work, basic	4	1	1	Vocational course - Certification A
SMÍÐ1VB04BV-Hát	Metal working 2 - manual work, sequel	4	1	4	Vocational course - Certification B
SMÍÐ2VB04CV-Hát	Metal working 3 - an independent handiwork project	4	2	6	Vocational course - Certification B
STIL3VB05AV-Hát	Control techniques 1 - basic course	5	3	5	Vocational course - Certification B
STJR2SB04AS-Hát	Management 1	4	2	5	Vocational course - Certification B
STJR4SD05BS-Hát	Management 2	5	4	8	Vocational course - Certification C
STÝR1VA04AV-Hát	Steering technology of air and hydraulic controls	4	1	4	Vocational course - Certification A
STÆR2AH05BT-Hát	Algebra and functions	5	2	2	Vocational course - Certification B

STÆR2BR05AT-Hát	Geometry and statistics, probability theory and credit accounting	5	2	1	Vocational course - Certification B
STÆR3RV05CT-Hát	Vectors and trigonometric functions	5	3	3	Vocational course - Certification B
STÆR3FM05DT-Hát	Functions, algebra and differentiation	5	3	6	Vocational course - Certification C
STÆR3FV05ET-Hát	Integral functions, area and volume of spirals	5	3	8	Vocational course - Certification C
STÖL2SA04AS-Hát	Stability of ships	4	2	5	Vocational course - Certification B
UMHV2SA04AS-Hát	Marine ecology - ecosystems, pollution, log books	4	2	3	Vocational course - Certification B
VÉLF1VA04AV-Hát	Engine theory 1	4	1	2	Vocational course - Certification A
VÉLF2VB04BV-Hát	Engine theory 2	4	2	4	Vocational course - Certification B
VÉLF3VC04CV-Hát	Engine theory 3	4	3	7	Vocational course - Certification C
VÉLS1VA04AV-Hát	Marine engineering 1	4	1	1	Vocational course - Certification A
VÉLS2VA04BV-Hát	Marine engineering 2	4	2	2	Vocational course - Certification A
VÉLS2VB04CV-Hát	Marine engineering 3	4	2	4	Vocational course - Certification B
VÉLS3VB04DV-Hát	Marine engineering 4	4	3	5	Vocational course - Certification B
VÉLS3VB04EV-Hát	Marine engineering 5	4	3	6	Vocational course - Certification B
VÉLT3VB04AV-Hát	Mechanical engineering 1	4	3	6	Vocational course - Certification B
MÉLV3VA04AV-Hát	Engine maintenance - mechanics	4	3	4	Vocational course - Certification A
VÖRS1VB04AV-Hát	Maintenance management, quality systems and safety management	4	1	5	Vocational course - Certification B

VD20 - Marine engineering D - 309 units

Certification D (marine engineer) on a vessel with a main engine of unlimited size. This is a 5-year study program that ends with a matriculation certificate, confirmation that school studies have been completed for all marine engineering certification (A, B and C are acquired during the study programme) and for a journeyman certificate in mechanics.

VC20 - Curriculum-based study program / VD20 Curriculum-based study program

Course	Course name	Units	Step	Semester	Certification
BURF4VD04AV-Hát	Structural engineering	4	4	9	Vocational course - Certification D
DANS2BM05AT-Hát	Danish - expression, reading and culture	5	2	7	Vocational course - Certification C
EÐLI2GR05BT-Hát	Movement, forces and energy	5	2	2	Vocational course - Certification B
EÐLI3AV05CT-Hát	Thermodynamics, mechanics and fluid dynamics	5	3	8	Vocational course - Certification C
EFNA2AE05BT-Hát	Elements, molecules and chemical bonds	5	2	4	Vocational course - Certification B
EFNA3JA05CT-Hát	Inorganic chemistry	5	3	7	Vocational course - Certification C
EFNA3VC04AV-Hát	Chemistry of oils and fluids	4	3	8	Vocational course - Certification C
ENSK2AE05AT-Hát	English - Literature and writing	5	2	1	Vocational course - Certification B
ENSK2OF05BT-Hát	English - Academic terminology and the United States	5	2	6	Vocational course - Certification B
ENSK3VG05CT-Hát	English - Scientific and technological English terminology	5	3	8	Vocational course - Certification C
HÖSK2VA04AV-Hát	Ship design	4	2	3	Vocational course - Certification A
IÐTE1VB04AV-Hát	Industrial drawing - basic, freehand drawing	4	1	1	Vocational course - Certification B
IÐTE2VB04BV-Hát	Industrial drawing - basic computer drawing	4	2	2	Vocational course - Certification B
IÐTE3VB04CV-Hát	Industrial drawing - computer drawing, continued	4	3	3	Vocational course - Certification B
ÍSLE2AA05AT-Hát	Icelandic, reading and writing	5	2	3	Vocational course - Certification B
ÍSLE2GO05BT-Hát	Icelandic language and cultural history	5	2	5	Vocational course - Certification B
ÍÞRÓ1GH02AT-Hát	Gymnastics - the body in play and work	2	1	1	Vocational course - Certification B
ÍSLE3BF05CT-Hát	Icelandic - Old literature	5	3	7	Vocational course - Certification C
ÍSLE3LF05CT-Hát	Icelandic - Literary history 1550-1900	5	3	8	Vocational course - Certification C
ÍÞRÓ1LA01AT-Hát	Gymnastics - Strength, fitness, agility	1	1	2	Vocational course - Certification B
ÍÞRÓ1LB01BT-Hát	Gymnastics - Strength, fitness, agility	1	1	3	Vocational course - Certification B
ÍÞRÓ1LC01CT-Hát	Gymnastics - Strength, fitness, agility	1	1	4	Vocational course - Certification B
KÆLI2VA05AV-Hát	Refrigeration technology 1	5	2	3	Vocational course -

					Certification A
KÆLI3VC05BV-Hát	Refrigeration technology 2	5	3	7	Vocational course - Certification C
KÆLI4VD05CV-Hát	Refrigeration technology 3	5	4	10	Vocational course - Certification D
LAGN3VB04AV-Hát	Piping technology	4	3	5	Vocational course - Certification B
LÍFS1GR05AT-Hát	Life skills	5	1	1	Vocational course - Certification B
LOKA4VD04AV-Hát	Mechanics - Final project	4	4	10	Vocational course - Certification D
MLSU1VA03AV-Hát	Metal welding 1 - stud welding, flame welding/cutting, basic course	3	1	1	Vocational course - Certification A
MLSU2VB03BV-Hát	Metal welding 2 - TIG-MIG-MAG, plasma cutting, basic course	3	2	4	Vocational course - Certification B
RAMV1VA04AV-Hát	Electrical engineering 1	4	1	2	Vocational course - Certification A
RAMV2VA04BV-Hát	Electrical engineering 2	4	2	3	Vocational course - Certification A
RAMV2VA04CV-Hát	Electrical engineering 3	4	2	4	Vocational course - Certification A
RAMV2VB04DV-Hát	Electrical engineering 4	4	2	6	Vocational course - Certification B
RAMV3VC04EV-Hát	Electrical engineering 5	4	3	7	Vocational course - Certification C
RAMV4VC05FV-Hát	Electrical engineering 6	5	4	8	Vocational course - Certification C
RAMV4VD05GV-Hát	Electrical engineering 7	5	4	9	Vocational course - Certification D
REIT2VB04AV-Hát	Electronics 1	4	2	5	Vocational course - Certification B
REIT4VD05BV-Hát	Electronics 2	5	4	10	Vocational course - Certification D
RENN2VB03AV-Hát	Lathe turning 1	3	2	2	Vocational course - Certification B
RÖKR3VB04AV-Hát	Logical circuits 1 - basic course	4	3	5	Vocational course - Certification B
RÖKR3VC04BV-Hát	Logical circuits 2, sequel	4	3	8	Vocational course - Certification C
SJÓR2SA04AS-Hát	Law of the sea - the legal environment of the fishing industry and shipping	4	2	5	Vocational course - Certification B
SKYN2SE01AT-Hát	Medical first-aid	1	2	6	Vocational course - Certification B
SMÍÐ1VA04AV-Hát	Metalworking 1 - manual work, basic	4	1	1	Vocational course - Certification A
SMÍÐ1VB04BV-Hát	Metal working 2 - manual work, sequel	4	1	4	Vocational course - Certification B
SMÍÐ2VB04CV-Hát	Metal working 3 - an independent handiwork project	4	2	6	Vocational course - Certification B
STJR2SB04AS-Hát	Management 1	4	2	5	Vocational course - Certification B
STJR4SD05BS-Hát	Management 2	5	4	8	Vocational course - Certification C

STIL3VB05AV-Hát	Control techniques 1 - basic course	5	3	5	Vocational course - Certification B
STIL4VD05BV-Hát	Control techniques 2 - continued	5	4	9	Vocational course - Certification D
STÝR1VA04AV-Hát	Steering technology of air and hydraulic controls	4	1	4	Vocational course - Certification A
STÆR2AH05BT-Hát	Algebra and functions	5	2	2	Vocational course - Certification B
STÆR2BR05AT-Hát	Geometry and statistics, probability theory and credit accounting	5	2	1	Vocational course - Certification B
STÆR3RV05CT-Hát	Vectors and trigonometric functions	5	3	3	Vocational course - Certification B
STÆR3FM05DT-Hát	Functions, algebra and differentiation	5	3	6	Vocational course - Certification C
STÆR3FV05ET-Hát	Integral functions, area and volume of spirals	5	3	8	Vocational course - Certification C
UMHV2SA04AS-Hát	Marine ecology - ecosystems, pollution, log books	4	2	3	Vocational course - Certification B
ÚTRE4SD04BS-Hát	Operation of fisheries and shipping companies and ship maintenance	4	4	10	Vocational course - Certification D
VÉLF1VA04AV-Hát	Engine theory 1	4	1	2	Vocational course - Certification A
VÉLF2VB04BV-Hát	Engine theory 2	4	2	4	Vocational course - Certification B
VÉLF3VC04CV-Hát	Engine theory 3	4	3	7	Vocational course - Certification C
VÉLF4VD05DV-Hát	Engine theory 4	5	4	9	Vocational course - Certification D
VÉLF4VD05EV-Hát	Engine theory 5	5	4	9	Vocational course - Certification D
VÉLS1VA04AV-Hát	Marine engineering 1	4	1	1	Vocational course - Certification A
VÉLS2VA04BV-Hát	Marine engineering 2	4	2	2	Vocational course - Certification A
VÉLS2VB04CV-Hát	Marine engineering 3	4	2	4	Vocational course - Certification B
VÉLS3VB04DV-Hát	Marine engineering 4	4	3	5	Vocational course - Certification B
VÉLS3VB04EV-Hát	Marine engineering 5	4	3	6	Vocational course - Certification B
VÉLT3VB04AV-Hát	Mechanical engineering 1	4	3	6	Vocational course - Certification B
VÉLT4VD05BV-Hát	Mechanical engineering 2	5	4	10	Vocational course - Certification D
VÉLV3VA04AV-Hát	Engine maintenance - mechanics	4	3	4	Vocational course - Certification A
VÖRS1VB04AV-Hát	Maintenance management, quality systems and safety management	4	1	5	Vocational course - Certification B