

FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC)

LIST OF RECOGNIZED HYDROGRAPHY PROGRAMMES

Year	Edition	Programme	Institution	Country	Cat	HC	Options	Language	Duration (weeks)	Next Rec.
2011	11th	Specialization Course in Hydrography for Navy Officers and Civilian Attendees	Argentinean Navy Sea Sciences Academy	Argentina	B	H	1,5,7	Spanish	42	2018
2016	11.1.0	H2 Hydrographic Surveying Course	Royal Australian Navy	Australia	B	H	1	English	26	2022
2014	11.0.1	Basic Hydrographic Course	Bangladesh Navy Hydrographic School	Bangladesh	B	H	2,6	English	22	2020
2013	11th	Postgraduate Programme Hydrography B	Antwerp Maritime Academy - Institute for Hydrography	Belgium	B	H		English	52	2019
2016	11.1.0	Course in Hydrography for Officers	Brazilian Navy/DHN	Brazil	A	H	1,2,3,5,6,7	Portuguese	50	2022
2016	11.1.0	Course in Hydrography and Navigation for Petty Officers	Brazilian Navy/DHN	Brazil	B	H	1	Portuguese	35	2022
2014	11.0.1	Course in hydrographic surveying	Centre interdisciplinaire de développement en cartographie des océans (CIDCO)	Canada	B	H	-	English	20	2020
2016	11.1.0	Ocean Mapping – Joint Diploma of Technology / Bachelor of Technology	The Fisheries and Marine Institute of Memorial University of Newfoundland (MI)	Canada	B	H	1,2,3,4,5,7	English	208	2022
2017	1.0.0	Course in Hydrography and Oceanography	Hydrographic and Oceanographic Service of the Chilean Navy	Chile	A	H	-	Spanish	88	2023
2012	11th	Programme for Bachelor of Engineering Degree in Hydrography	Dalian Naval Academy (DNA)	China	A	H	1,2,3,4,5,6,7	Chinese English	208	2018
2016	11.1.0	Specialty Course in Hydrography	Oceanographic Institute of the Navy	Ecuador	B	H	1,2,6	Spanish	78	2022
2017	1.0.0	Hydrographic Survey Programme	Egyptian Navy Hydrographic Department and the Arab Academy for Science and Technology	Egypt	B	H	-	Arab	24	2023
2016	11.1.0	Master of Science in Hydrography	ENSTA Bretagne	France	A	H	1,2,5	English French	104	2022
2016	11.1.0	Option Hydrographie et Océanographie	ENSTA Bretagne	France	A	H	1,2,5	English French	76	2022
2016	1.0.0	Advanced Training Course on Hydrography for Petty Officers	SHOM	France	B	H	1	French	78	2022
2017	1.0.0	Master of Science in Geomatics / Specialisation in Hydrography	HafenCity University Hamburg (HCU)	Germany	A	H		English	104	2023

FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC)

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2013	11th	Long Hydrographic Course	National Hydrographic Office	India	A	H	1,2,3,4	English	34	2019
2013	11th	Basic Hydrographic Course	National Hydrographic Office	India	B	H	1,2,3 ,5	English	23	2019
2014	11.0.1	Hydrographic Surveying Programme	IIC Technologies Academy	India	B	H	1,2	English	26	2020
2013	11th	Course in Hydrography for Naval Officers	Indonesian Navy (SEHIDRAL)	Indonesia	B	H	1,2	Indonesian	26	2019
2014	11.0.1	Hydrographic Education / Hydrographic Surveyor Profession Education Program	Geodesy and Geomatics Engineering Study Program - Institut Teknologi Bandung (ITB)	Indonesia	A	H	2,5,7	English	36	2020
2014	11.0.1	Basic Hydrographic Surveying Course	Hydro Geo School	Iran	B	H	4	English Persian	25	2020
2014	11.0.1	Master in Marine Geomatics and Applied Technologies to Marine Environment	Italian Navy Hydrographic Institute	Italy	A	H	1,2,5	English	34	2020
2015	11.0.1	Intermediate Course for Military and Civilian Attendees	Italian Navy Hydrographic Institute	Italy	B	H	-	English	33	2021
2014	11.0.1	Hydrography for Charting, Disaster Prevention and Environmental Protection	Japan International Co-operation Agency (JICA) and Japan Coast Guard Hydrographic and Oceanographic Department (JHOD)	Japan	B	H	1,2,3	English	52	2020
2013	11th	Ocean Science Course	Japanese Coast Guard School	Japan	B	H	1	Japanese	52	2019
2014	11.0.1	Advanced Course in Hydrography	Japanese Coast Guard Academy	Japan	A	H	-	Japanese	52	2020
2013	11th	Course in Hydrography (HYDRO I)	Universiti Teknologi Malaysia (UTM)	Malaysia	B	H	2,7	English	26	2019
2014	11.0.1	UTM Hydro II (Hydrographic Surveying II Course)	Universiti Teknologi Malaysia (UTM)	Malaysia	A	H	2,7	English	18	2020
2016	11.1.0	Ocean Technology	Maritiem Instituut Willem Barentsz	Netherlands	A	H	1,2,4,7	English	208	2022
2016	11.1.0	Course Programme in Hydrography	Skilltrade – STC	Netherlands	B	H	2,4	English	30	2022
2016	11.1.0	Hydrographic Survey for Production of Nautical Charts	Pakistan Navy	Pakistan	B	H	-	English	30	2022

FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC)

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2012	11th	Course in Hydrography for Naval Officers	Peruvian Navy	Peru	B	H	1,2,5,7	Spanish	42	2018
2017	1.0.0	Specialization Course in Hydrography	Hydrographic Institute of Portugal	Portugal	A	H	-	Portuguese	44	2023
2012	11th	Intermediate Hydrography and Oceanography Course	Hydrographic Institute of Portugal	Portugal	B	H	1,2	Portuguese	44	2018
2017	1.0.0	Hydrographic Survey Program	Korea Hydrographic and Oceanographic Agency (KHOA)	Republic of Korea	B	H		English	20	2023
2012	11th	Hydrographic Surveying Programme	General Commission for Survey (GCS)	Saudi Arabia	B	H	1,2	English	26	2018
2013	11th	Hydrography Surveying	King Abdul-Aziz University	Saudi Arabia	A	H	-	English	124	2019
2013	11th	Hydrographic Surveying Course	ST Electronics (Training & Simulation Systems) Pte Ltd (STEE-T&S)	Singapore	B	H	1,2	English	21	2019
2013	11th	Specialization Course in Hydrography and Oceanography for Naval Officers	Spanish Hydrographic Institute	Spain	A	H	1,6	Spanish	40	2019
2013	11th	Specialization Course in Hydrography and Oceanography for Naval Petty Officers	Spanish Hydrographic Institute	Spain	B	H	1,6	Spanish	48	2019
2015	11.0.1	Bachelor of Science Honours in Surveying Sciences - Specialisation in Hydrographic Surveying	Sabaragamuwa University of Sri Lanka	Sri Lanka	B	H	-	English	208	2021
2011	11th	Turkish Navy Hydrographic Course	Office of Navigation, Hydrography and Oceanography (ONHO)	Turkey	B	H	-	Turkish	23	2018
2016	11.1.0	Applied Hydrographic Education Certificate Programme	Middle East Technical University (METU)	Turkey	B	H	1,2,7	Turkish	18	2022
2010	10th	MSC in Hydrographic Surveying	University College of London/ Port of London Authority	UK	A	H	1,2	English	52	2017
2013	11th	HM2 Course	Royal Navy Flag Officer Sea Training	UK	B	H	6	English	14	2019
2015	11.0.1	HM Advanced Survey Course	Royal Navy Flag Officer Sea Training	UK	A	H	1,6	English	22	2021
2011	11th	International Hydrographic Management and Engineering Program (IHMEP)	Naval Oceanographic Office	USA	B	H	-	English	26	2018
2011	11th	Joint International Hydrographic Applied Science Program	University of Southern Mississippi-NAVOCEANO	USA	A	H	1,5	English	45	2018

FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC)

Year	Edition	Programme	Institution	Country	Cat	HC	Options	Language	Duration (weeks)	Next Rec.
2011	11th	Graduate Program in Ocean Mapping	University of New Hampshire/NOAA Joint Hydrographic Center	USA	A	H	1,5	English	52	2018

LIST OF RECOGNIZED CARTOGRAPHY PROGRAMMES

Year	Edition	Programme	Institution	Country	Cat	HC	Spec	Language	Duration (weeks)	Next Rec.
2012	3rd	University Degree in Cartography	Argentinean Navy Sea Sciences Academy	Argentina	A	C	2	Spanish	208	2018
2012	3rd	Programme for Bachelor of Engineering Degree in Nautical Cartography	Dalian Naval Academy (DNA)	China	A	C	-	Chinese English	208	2018
2017	3.1.0	Avanced Training Course in Nautical Cartography	SHOM	France	B	C	2	French	31	2023
2014	3.0.1	Course in Cartography	Korea Hydrographic and Oceanographic Administration (KHOA)	Republic of Korea	B	C	2	English	26	2020
2012	3rd	Marine Geospatial Information Programme	IIC Technologies Academy	India	B	C	2	English	26	2018
2014	3.0.1	Marine Geospatial Information Programme (Portable Delivery)	IIC Technologies Academy	India	B	C	2	English	26	2020
2016	3.1.0	Marine Geospatial and Cartography Programme	Universiti Teknologi Malaysia (UTM)	Malaysia	B	C	1,2	English	26	2022
2012	3rd	Nautical Cartography	General Commission for Surveys (GCS)	Saudi Arabia	B	C	2	English	26	2018
2014	3.0.1	Marine Cartography and Data Assessment (MCDA)	United Kingdom Hydrographic Office (UKHO)	UK	B	C	1	English	16	2020
2017	3.1.1	OCS Certification in Cartography	NOAA/National Ocean Survey/Office of Coast Survey	USA	B	C	2	English	51	2023

LIST OF RECOGNIZED NATIONAL/REGIONAL SCHEMES - HYDROGRAPHY

Year	Edition	Programme	Institution	Country	Cat	HC	Options	Language	Duration (weeks)	Next Rec.
2012	11th	AHSCP Certification Scheme	Australasian Hydrographic Surveyors Certification Panel (AHSCP)	Australia	-	S	-	English	-	2018

FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC)

Year	Edition	Programme	Institution	Country	Cat	HC	Options	Language	Duration (weeks)	Next Rec.
2016	11.1.0	System for Certifying and Recognizing the Competency of Individuals as Hydrographic Surveyors in Canada	Association of Canada Lands Surveyors (ACLS)	Canada	-	S	-	English	-	2022

LIST OF PROGRAMMES HAVING LOST RECOGNITION

Year	Edition	Programme	Institution	Country	Cat	HC	Spec,	Language	Duration (weeks)	Status
1994	6th	Course in Hydrography	International Maritime Academy of Trieste	Italy	B	-	1	English	-	-
1996	7th	Course in Hydrographic Surveying	Department of Geometrics & Geomatics of the University of Melbourne	Australia	A	-	1	English	-	-
2001	8th	Hydrographic Surveyors Programme	Naval Academy of Colombia	Colombia	A	-	1	Spanish	-	-
1997	7th	Course in Hydrography	Academy Admiral Makarov	Russia	A	-	1,2,3	Russian	-	-
1999	7th	Course in Hydrography	St. Petersburg Naval Academy	Russia	A	-	1	Russian	-	-
2000	8th	Harbour and Coastal Management addressed to Harbour and Coastal Surveyors	International Maritime Academy of Trieste	Italy	B	-	2	English	-	-
2005	1st	Model Course in Nautical Cartography	International Maritime Academy of Trieste	Italy	A	-		English	-	-
2001	8th	LSGI Hydrographic post-graduated Diploma	Polytechnic University of Hong-Kong	China	A	-		English	-	-
2014	9th	Patent Superior Technician in Hydrography	Tunisian H.O.	Tunisia	B	-	1	French	-	-
2008	9th	Hydrographic Education Programme	University of Otago	New Zealand	A	-		English	-	-
2009	9th	Bsc (Honours) Ocean Exploration	University of Plymouth	UK	A	-		English	-	-
2009	9th	Msc Course in Hydrographic Surveying	University of Plymouth	UK	A	H	1	English	52	2017
2010	10th	Course Programme in Hydrography	TECHAWI	Germany	B	-	2,3,5	English	-	-

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