

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
2010	10th	Master of Science Geomatics / Specialisation in Hydrography	HafenCity University Hamburg	Germany	A	H	1,3,5	English	104	2017
2013	11th	Long Hydrographic Course	National Hydrographic Office	India	A	H	1,2,3,4	English	34	2019

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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
2012	11th	Course in Hydrography for Naval Officers	Peruvian Navy	Peru	B	H	1,2,5,7	Spanish	42	2018

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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
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
2009	9th	Msc Course in Hydrographic Surveying	University of Plymouth	UK	A	H	1	English	52	2017
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
2011	11th	Graduate Program in Ocean Mapping	University of New Hampshire/NOAA Joint Hydrographic Center	USA	A	H	1,5	English	52	2018

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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)	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
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

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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	-	-
2010	10th	Course Programme in Hydrography	TECHAWI	Germany	B	-	2,3,5	English	-	-

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