

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

LIST OF RECOGNIZED HYDROGRAPHY PROGRAMMES

| Year | Ed. | Programme | Institution | Country | Cat | Options | Language | Weeks | Next Rec. |
|------|--------|---|---|------------|-----|---------------|--------------------|-------|-----------|
| 2011 | 11th | Specialization Course in Hydrography for Navy Officers and Civilian Attendees | Argentinean Navy Sea Sciences Academy | Argentina | B | 1,5,7 | Spanish | 42 | 2018 |
| 2016 | 11.1.0 | H2 Hydrographic Surveying Course | Royal Australian Navy | Australia | B | 1 | English | 26 | 2022 |
| 2014 | 11.0.1 | Basic Hydrographic Course | Bangladesh Navy Hydrographic School | Bangladesh | B | 2,6 | English | 22 | 2020 |
| 2013 | 11th | Postgraduate Programme Hydrography B | Antwerp Maritime Academy - Institute for Hydrography | Belgium | B | | English | 52 | 2019 |
| 2016 | 11.1.0 | Course in Hydrography for Officers | Brazilian Navy/DHN | Brazil | A | 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 | 1 | Portuguese | 35 | 2022 |
| 2014 | 11.0.1 | Course in hydrographic surveying | Centre interdisciplinaire de développement en cartographie des océans (CIDCO) | Canada | B | - | 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 | 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 | - | Spanish | 88 | 2023 |
| 2012 | 11th | Programme for Bachelor of Engineering Degree in Hydrography | Dalian Naval Academy (DNA) | China | A | 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 | 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 | - | Arab | 24 | 2023 |
| 2016 | 11.1.0 | Master of Science in Hydrography | ENSTA Bretagne | France | A | 1,2,5 | English French | 104 | 2022 |
| 2016 | 11.1.0 | Option Hydrographie et Océanographie | ENSTA Bretagne | France | A | 1,2,5 | English French | 76 | 2022 |
| 2016 | 1.0.0 | Advanced Training Course on Hydrography for Petty Officers | SHOM | France | B | 1 | French | 78 | 2022 |
| 2017 | 1.0.0 | Master of Science in Geomatics / Specialisation in Hydrography | HafenCity University Hamburg (HCU) | Germany | A | | English | 104 | 2023 |

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|------|--------|---|---|-------------|-----|----------|--------------------|-------|-----------|
| 2013 | 11th | Long Hydrographic Course | National Hydrographic Office | India | A | 1,2,3,4 | English | 34 | 2019 |
| 2013 | 11th | Basic Hydrographic Course | National Hydrographic Office | India | B | 1,2,3 ,5 | English | 23 | 2019 |
| 2014 | 11.0.1 | Hydrographic Surveying Programme | IIC Technologies Academy | India | B | 1,2 | English | 26 | 2020 |
| 2013 | 11th | Course in Hydrography for Naval Officers | Indonesian Navy (SEHIDRAL) | Indonesia | B | 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 | 2,5,7 | English | 36 | 2020 |
| 2014 | 11.0.1 | Basic Hydrographic Surveying Course | Hydro Geo School | Iran | B | 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 | 1,2,5 | English | 34 | 2020 |
| 2015 | 11.0.1 | Intermediate Course for Military and Civilian Attendees | Italian Navy Hydrographic Institute | Italy | B | - | 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 | 1,2,3 | English | 52 | 2020 |
| 2013 | 11th | Ocean Science Course | Japanese Coast Guard School | Japan | B | 1 | Japanese | 52 | 2019 |
| 2014 | 11.0.1 | Advanced Course in Hydrography | Japanese Coast Guard Academy | Japan | A | - | Japanese | 52 | 2020 |
| 2013 | 11th | Course in Hydrography (HYDRO I) | Universiti Teknologi Malaysia (UTM) | Malaysia | B | 2,7 | English | 26 | 2019 |
| 2014 | 11.0.1 | UTM Hydro II (Hydrographic Surveying II Course) | Universiti Teknologi Malaysia (UTM) | Malaysia | A | 2,7 | English | 18 | 2020 |
| 2016 | 11.1.0 | Ocean Technology | Maritiem Instituut Willem Barentsz | Netherlands | A | 1,2,4,7 | English | 208 | 2022 |
| 2016 | 11.1.0 | Course Programme in Hydrography | Skilltrade – Nova College | Netherlands | B | 2,4 | English | 30 | 2022 |
| 2016 | 11.1.0 | Hydrographic Survey for Production of Nautical Charts | Pakistan Navy | Pakistan | B | - | English | 30 | 2022 |

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|------|--------|--|---|-------------------|-----|---------|------------|-------|-----------|
| 2012 | 11th | Course in Hydrography for Naval Officers | Peruvian Navy | Peru | B | 1,2,5,7 | Spanish | 42 | 2018 |
| 2017 | 1.0.0 | Specialization Course in Hydrography | Portuguese Hydrographic Institute (IHPT) | Portugal | A | | Portuguese | 44 | 2023 |
| 2018 | 1.0.1 | Technical Course in Hydrography | Portuguese Hydrographic Institute (IHPT) | Portugal | B | | Portuguese | 59 | 2024 |
| 2017 | 1.0.0 | Hydrographic Survey Program | Korea Hydrographic and Oceanographic Agency (KHOA) | Republic of Korea | B | | English | 20 | 2023 |
| 2013 | 11th | Hydrography Surveying | King Abdul-Aziz University | Saudi Arabia | A | - | English | 124 | 2019 |
| 2013 | 11th | Hydrographic Surveying Course | ST Electronics (Training & Simulation Systems) Pte Ltd (STEE-T&S) | Singapore | B | 1,2 | English | 21 | 2019 |
| 2013 | 11th | Specialization Course in Hydrography and Oceanography for Naval Officers | Spanish Hydrographic Institute | Spain | A | 1,6 | Spanish | 40 | 2019 |
| 2013 | 11th | Specialization Course in Hydrography and Oceanography for Naval Petty Officers | Spanish Hydrographic Institute | Spain | B | 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 | - | English | 208 | 2021 |
| 2018 | 1.0.1 | Swedish Hydrographic Science | University of Gothenburg | Sweden | B | - | English | 24 | 2024 |
| 2011 | 11th | Turkish Navy Hydrographic Course | Office of Navigation, Hydrography and Oceanography (ONHO) | Turkey | B | - | Turkish | 23 | 2018 |
| 2016 | 11.1.0 | Applied Hydrographic Education Certificate Programme | Middle East Technical University (METU) | Turkey | B | 1,2,7 | Turkish | 18 | 2022 |
| 2018 | 11.0.1 | Applied Hydrographic Survey Programme (AHSP) | Fugro Academy / Fugro Great Britain (North) Marine Ltd. | UK | B | | English | 24 | 2024 |
| 2010 | 10th | MSC in Hydrographic Surveying | University College of London/ Port of London Authority | UK | A | 1,2 | English | 52 | 2017 |
| 2013 | 11th | HM2 Course | Royal Navy Flag Officer Sea Training | UK | B | 6 | English | 14 | 2019 |
| 2015 | 11.0.1 | HM Advanced Survey Course | Royal Navy Flag Officer Sea Training | UK | A | 1,6 | English | 22 | 2021 |

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|------|-------|--|--|---------|-----|---------|----------|-------|-----------|
| 2011 | 11th | Joint International Hydrographic Applied Science Program | University of Southern Mississippi-NAVOCEANO | USA | A | 1,5 | English | 45 | 2018 |
| 2018 | 1.0.1 | B.S. Marine Science (Hydrography) | University of Southern Mississippi | USA | B | | English | 208 | 2024 |
| 2018 | 1.0.1 | Graduate Programme in Ocean Mapping | University of New Hampshire/NOAA-UNH Joint Hydrographic Center | USA | A | 1,5 | English | 53 | 2024 |

LIST OF RECOGNIZED NAUTICAL CARTOGRAPHY PROGRAMMES

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

LIST OF RECOGNIZED NATIONAL/REGIONAL SCHEMES - HYDROGRAPHY

| Year | Ed. | Programme | Institution | Country | Cat | Options | Language | Weeks | Next Rec. |
|------|------|----------------------------|---|-----------|-----|---------|----------|-------|-----------|
| 2012 | 11th | AHSCP Certification Scheme | Australasian Hydrographic Surveyors Certification Panel (AHSCP) | Australia | - | - | English | - | 2019 |

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|------|--------|---|--|---------|-----|---------|----------|-------|-----------|
| 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 | - | - | English | - | 2022 |

LIST OF PROGRAMMES HAVING LOST RECOGNITION

| Year | Ed. | Programme | Institution | Country | Cat | Spec, | Language | Weeks | Status |
|------|------|---|---|-------------|-----|-------|----------|-------|--------|
| 2004 | 6th | Course in Hydrography | International Maritime Academy of Trieste | Italy | B | 1 | English | - | - |
| 2005 | 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 | - | - |
| 2006 | 7th | Course in Hydrographic Surveying | Department of Geometrics & Geomatics of the University of Melbourne | Australia | A | 1 | English | - | - |
| 2009 | 7th | Course in Hydrography | Academy Admiral Makarov | Russia | A | 1,2,3 | Russian | - | - |
| 2009 | 7th | Course in Hydrography | St. Petersburg Naval Academy | Russia | A | 1 | Russian | - | - |
| 2011 | 8th | LSGI Hydrographic post-graduated Diploma | Polytechnic University of Hong-Kong | China | A | | English | - | - |
| 2013 | 8th | Hydrographic Surveyors Programme | Naval Academy of Colombia | Colombia | A | 1 | Spanish | - | - |
| 2014 | 9th | Patent Superior Technician in Hydrography | Tunisian H.O. | Tunisia | B | 1 | French | - | - |
| 2014 | 9th | Hydrographic Education Programme | University of Otago | New Zealand | A | | English | - | - |
| 2017 | 9th | Bsc (Honours) Ocean Exploration | University of Plymouth | UK | A | | English | - | - |
| 2017 | 9th | Msc Course in Hydrographic Surveying | University of Plymouth | UK | A | 1 | English | 52 | - |
| 2017 | 10th | Course Programme in Hydrography | TECHAWI | Germany | B | 2,3,5 | English | - | - |

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|------|------|---|---|--------------|-----|-------|----------|-------|--------|
| 2018 | 3rd | Marine Geospatial Information Programme | IIC Technologies Academy | India | B | 2 | English | 26 | 2018 |
| 2018 | 3rd | Nautical Cartography | General Commission for Surveys (GCS) | Saudi Arabia | B | 2 | English | 26 | - |
| 2018 | 11th | Hydrographic Surveying Programme | General Commission for Surveys (GCS) | Saudi Arabia | B | 1,2 | English | 26 | - |
| 2018 | 11th | International Hydrographic Management and Engineering Program (IHMEP) - To be submitted in 2019. | Naval Meteorology and Oceanographic Command (CNMOC) | USA | B | - | English | 26 | 2019 |

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