



Available Online Courses at Free of Cost



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Introduction

The World Health Organization declared the spread of coronavirus (COVID-19) a “pandemic” on 11 March 2020, adding that this is the first "worldwide spread" of a new disease that can be controlled. The continual spread of infections and the unpredictability of conditions improving in the short-term has caused for drastic measures by governments in a variety of ways, including closure of schools at all levels.

UNESCO estimates that 1.37 billion students are home as a result of COVID-19 school closures with the figures likely to increase if the pandemic continues to spread. For continuity of learning, under the overall coordination of Director of UNESCO Nairobi the Science Sector has compiled a variety of educational resources to assist students in Africa continent especially from vulnerable and poor communities.

These resources are available online for free access to anyone. Some of the courses might ask the user to register and you have to do so with your email and institution to be able to access.

These educational resources cover many subject areas including natural sciences, mathematics, engineering, arts, social science etc. to meet the needs of the wider student population. Some of the materials from Huawei and Microsoft are basically targeted at specific audiences in ICT and technology related fields. The edX and NDLI are focused on university education on specific subject areas where we also managed to classify based on the thematic areas.

We shall endeavour to update these education resources from time to time.

World Digital Library

| Subjects | Link |
|-----------------|---|
| English Version | https://www.wdl.org/en/ |
| French Version | https://www.wdl.org/fr/ |



| Subjects | Courses Review | Link |
|------------------------------------|---|---|
| Architecture | <p>Study architecture history, urban planning, architectural design, and more. MIT's introductory course, A Global History of Architecture, is a perfect starting point for anyone with a general interest in architecture and design.</p> <p>Related Topics - Architecture History</p> | https://www.edx.org/course/subject/architecture |
| Art&Culture | <p>Find free online classes in poetry, art history, world cultures, classical art, modern art and European painting from top universities worldwide. Learn the Cultural Geography of the World from Peking University or immerse yourself in Harvard University's popular Poetry in America series.</p> <p>Related Topics - Art Art History History Writing Ethics Literature Music Philosophy Religion</p> | https://www.edx.org/course/subject/art-culture |
| Biology & Life Sciences | <p>Take free online biology courses in genetics, biotechnology, biochemistry, neurobiology and other disciplines. Courses include Fundamentals of Neuroscience from Harvard University, Molecular Biology from MIT and an Introduction</p> | https://www.edx.org/course/subject/biology-life-sciences |

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| | <p>to Bioethics from Georgetown.</p> <p>Related Topics - Animal Behavior Bioelectricity Bioinformatics Biology Biotechnology Cellular Biology DNA Evolution Genetics Health & Wellness Human Anatomy Life Sciences Medicine Microbiology Molecular Biology Neuroscience Nursing Nutrition Physiology Safety</p> | |
| Business & Management | <p>M&A: Concepts and Theories Analyzing and Visualizing Data with Excel Project Management for Development Data Science Tools Reputation Management in a Digital World... 484 available courses.</p> | https://www.edx.org/course/subject/business-management |
| Chemistry | <p>Covering a broad range of topics from quantum mechanics to the science behind what we eat. Take courses in biochemistry, electrochemistry, organic chemistry, alternative fuels and much more from top universities like Harvard, MIT, and more.</p> <p>Related Topics - Environmental Engineering Astronomy Astrophysics Earth Sciences Ecosystems Energy Environmental Science Geology Geophysics Global Warming Mechanics Nature Oceanography Organic</p> | https://www.edx.org/course/subject/chemistry |

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|-------------------------|---|---|
| | Chemistry Physics Quantum Physics Renewable Energy Solar Energy Sustainability | |
| Communication | <p>Effective communication skills are essential for success in the digital age. Learn the principles of public speaking and the keys to creating powerful messages with online courses and MOOCs taught by leading professors at Harvard, MIT, Berkeley and other top institutions.</p> <p>Related Topics - Accounting Entrepreneurship Finance Leadership Management Marketing Operations Management</p> | https://www.edx.org/course/subject/communication |
| Computer science | <p>Learn programming languages and concepts to prepare for a career in hardware or software development.</p> <p>Related Topics - Python Front-end Web Development Full-stack Developer Blockchain</p> | https://www.edx.org/course/subject/computer-science |

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| Data Analysis & Statistics | Data scientists use knowledge of Probability and Statistics, Excel and Business Analytics, Python, R. | https://www.edx.org/course/subject/data-science |
| Design | <p>EdX is working with major universities and institutions to develop new design MOOCs and make them available to a global audience. Visit OpenedX.org to learn how you can contribute your course via the edX open source platform.</p> <p>Related Topics - Game Design Ideation Interaction Design Product Design User Experience (UX)</p> | https://www.edx.org/course/subject/design |
| Economics & Finance | <p>Learn the key macroeconomic and microeconomic indicators and how they drive economic policy and financial decision-making. Explore topics in risk management, pricing models, globalization and more with courses from Caltech, MIT, and other top institutions worldwide.</p> <p>Related Topics - Behavioral Economics Economic Policy Game Theory Globalization International Trade Macroeconomics Microeconomics Corporate Finance Finance Risk Management</p> | https://www.edx.org/course/subject/economics-finance |

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| Education & Teacher Training | <p>EdX offers online education courses covering a broad range of topics from educational policy and history to curriculum design and teaching techniques. Explore case studies in teaching and learn about how technology is increasing access to quality education on an unprecedented scale.</p> <p>Related Topics - AP Courses Educational Technology Higher Education K12 Teacher Training Test Prep Master's in Higher Ed Administration</p> | <p>https://www.edx.org/course/subject/education-teacher-training</p> |
| Electronics | <p>The online courses in electrical engineering explore computation structures, electronic interfaces and the principles of electric circuits. Learn the engineering behind drones and autonomous robots or find out how organic electronic devices are changing the way humans interact with machines.</p> <p>Related Topics - Civil Engineering Environmental Engineering Materials Science Mechanical Engineering Nanotechnology Structural Engineering Thermodynamics Urban Planning Master's in Electrical Engineering</p> | <p>https://www.edx.org/course/subject/electronics</p> |

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| Energy & Earth Sciences | <p>EdX's online Earth sciences courses cover very timely and important issues such as climate change and energy sustainability. Learn about natural disasters and our ability to predict them. Explore the universe with online courses in astrophysics, space plasmas and fusion energy.</p> <p>Related Topics - Chemistry Climate Change Environmental Engineering Earth Sciences Ecosystems Energy Environmental Science Geology Global Warming Renewable Energy Solar Energy Sustainability Sustainable Development</p> | <p>https://www.edx.org/course/subject/energy-earth-sciences</p> |
| Engineering | <p>Enroll in an online introduction to engineering course or explore specific areas such as structural, mechanical, electrical, software or aeronautical engineering. EdX offers free online classes in thermodynamics, robot mechanics, aerodynamics and more from top engineering universities.</p> <p>Related Topics - Artificial Intelligence Civil Engineering Electrical Engineering Electronics Environmental Engineering Machine Learning Materials Science Mechanical Engineering Nanotechnology Programming Quantum Mechanics Robotics Structural Engineering Thermodynamics Urban Planning Master's in Electrical Engineering</p> | <p>https://www.edx.org/course/subject/engineering</p> |

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| Environmental Studies | <p>Take online courses in environmental science, natural resource management, environmental policy and civic ecology. Learn how to solve complex problems related to pollution control, water treatment and environmental sustainability with free online courses from leading universities worldwide.</p> <p>Related Topics - Chemistry Climate Change Environmental Engineering Earth Sciences Ecosystems Energy Environmental Science Geology Global Warming Renewable Energy Solar Energy Sustainability Sustainable Development</p> | <p>https://www.edx.org/course/subject/environmental-studies</p> |
| Ethics | <p>Study bioethics, business ethics, political ethics and more with in-depth online courses from leading institutions. Explore the moral philosophy and thought process behind major decisions on foreign policy or learn about the science of everyday thinking.</p> <p>Related Topics - Art History Writing Literature Music Philosophy Religion</p> | <p>https://www.edx.org/course/subject/ethics</p> |

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| Food & Nutrition | <p>Learn about healthy eating habits and the science behind your food with free online nutrition courses from Cornell, Harvard and other leading institutions.</p> <p>Related Topics - Animal Behavior Bioelectricity Bioinformatics Biology Biotechnology Cellular Biology DNA Evolution Genetics Health & Wellness Human Anatomy Medicine Microbiology Molecular Biology Neuroscience Nursing Physiology Safety Master's in Nutritional Sciences</p> | <p>https://www.edx.org/course/subject/food-nutrition</p> |
| Health & Safety | <p>From public health initiatives to personal wellbeing, find online courses covering a wide variety of health and medical subjects. Enroll in free courses from major universities on topics like epidemics, global healthcare and the fundamentals of clinical trials.</p> <p>Related Topics - Animal Behavior Bioelectricity Bioinformatics Biology Biotechnology Cellular Biology DNA Evolution Genetics Health & Wellness Healthcare Human Anatomy Medicine Microbiology Molecular Biology Neuroscience Nursing Physiology Safety Master's in Nutritional Sciences</p> | <p>https://www.edx.org/course/subject/health-safety</p> |

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| History | <p>Study world history online with courses covering a variety of subjects from ancient to modern. Topics include ancient Greek history, European art history, religion in history, human evolution and much more. Enroll in Harvard University's popular ten-part series on the history of China or any of the many free courses offered.</p> <p>Related Topics - Art History Chinese History U.S. History Western Civilization World History</p> | <p>https://www.edx.org/course/subject/history</p> |
| Humanities | <p>Find online courses in the humanities including the study of classical cultures, languages and literature. Courses are offered from major universities and are available free. Select a course below to learn more and enroll.</p> <p>Related Topics - Art Art History History Writing Ethics Literature Music Philosophy Religion Human Rights</p> | <p>https://www.edx.org/course/subject/humanities</p> |
| Language | <p>Take free online language courses in English, French, Mandarin and more. Courses include English Grammar and Essay Writing from UC Berkeley, Chinese Language: Learn Basic Mandarin from MandarinX and Conversational English from Tsinghua University.</p> <p>Related Topics - ESL (English as a second language) </p> | <p>https://www.edx.org/course/subject/language</p> |

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| | English Spanish Chinese Test Prep Grammar Writing Composition | |
| Law | <p>Take online law courses covering a variety of areas including international law, human rights, property rights, criminal law and contract law. Learn the legal aspects of surveillance and privacy as they relate to issues of national security. Select a course to learn more and enroll.</p> <p>Related Topics - Business Law Contracts Criminal Law Criminology Democracy Government Human Rights Immigration International Law Political Science</p> | https://www.edx.org/course/subject/law |
| Literature | <p>From the study of Dante's Divine Comedy to online workshop-style courses in professional writing for business, edX offers a wide variety of free online literature and writing courses. Immerse yourself in classic novels with Berkeley's online book club or enroll in Harvard's popular Poetry in America series.</p> <p>Related Topics - Art History Writing Ethics Music Philosophy Religion</p> | https://www.edx.org/course/subject/literature |

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| Math | <p>Take free online math courses from MIT, ASU, and other leading math and science institutions. Get introductions to algebra, geometry, trigonometry, precalculus and calculus or get help with current math coursework and AP exam preparation. Select a course to learn more.</p> <p>Related Topics - Algebra Calculus Geometry Linear Algebra Logic Pre-Algebra Pre-Calculus Probability Regression Statistics Master's in Data Analytics</p> | <p>https://www.edx.org/course/subject/math</p> |
| Medicine | <p>From medicine to statistical analysis of medical data, find online courses covering a wide variety of medical subjects. Enroll in free courses from major universities on topics like anatomy, physiology and statistical analysis.</p> <p>Related Topics - Animal Behavior Bioelectricity Bioinformatics Biology Biotechnology Cellular Biology DNA Evolution Genetics Health & Wellness Healthcare Human Anatomy Microbiology Molecular Biology Neuroscience Nursing Nutrition Physiology Safety</p> | <p>https://www.edx.org/course/subject/medicine</p> |

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| Music | <p>Find online courses in jazz appreciation and hip hop culture from the University of Austin and Rice University or get an introduction to the music business from the Berklee College of Music.</p> <p>Related Topics - Art History Writing Ethics Literature Philosophy Religion</p> | <p>https://www.edx.org/course/subject/music</p> |
| Philanthropy | <p>Learn how to give, why to give, and why giving is important and much more with free online courses. Select a course to learn more and enroll.</p> <p>Related Topics - Anthropology Behavioral Psychology Business Law Child Development Cognitive Science Contracts Counterterrorism Criminal Law Democracy Elections Foreign Policy Gender Studies Government Happiness Human Psychology Human Rights Immigration International Development International Law Law Political Science Politics Psychology Public Policy Sociology Women's Rights</p> | <p>https://www.edx.org/course/subject/philanthropy</p> |

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| Philosophy & Ethics | <p>Study the philosophy of god, political ethics and more with in-depth online courses from leading institutions. Explore the moral philosophy and thought process behind major decisions or learn about the science of everyday thinking.</p> <p>Related Topics - Art Business Ethics History Writing Ethics Literature Music Religion</p> | <p>https://www.edx.org/course/subject/philosophy-ethics</p> |
| Physics | <p>Find online courses in quantum mechanics and magnetism the likes of MIT and Rice University or get an introduction to the violent universe from Australian National University.</p> <p>Related Topics - Environmental Engineering Astronomy Astrophysics Chemistry Earth Sciences Ecosystems Energy Environmental Science Geology Geophysics Global Warming Mechanics Nature Oceanography Organic Chemistry Quantum Physics Renewable Energy Solar Energy Sustainability</p> | <p>https://www.edx.org/course/subject/physics</p> |

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| Science | <p>Science is one of the most popular subjects on edX and online courses range from beginner to advanced levels. Areas of study include neuroscience, genotyping, DNA methylation, innovations in environmental science, modern astrophysics and more from top universities and institutions worldwide.</p> <p>Related Topics - Biology Biotechnology Climate Change Genetics Health & Wellness Human Anatomy Healthcare Life Sciences Medicine Microbiology Molecular Biology Neuroscience Physiology Astronomy Chemistry Earth Sciences Environmental Science Geology Nature Organic Chemistry Physics Quantum Physics Social Science Sustainable Development</p> | <p>https://www.edx.org/course/subject/science</p> |
| Social Sciences | <p>Enroll in free online courses in the social sciences including sociology, political science, human geography, demography and more. Learn about the science of happiness or the history and effect of social programs. Courses are available from major universities worldwide.</p> <p>Related Topics - Anthropology Behavioral Psychology Business Law Child Development Cognitive Science Contracts Counterterrorism Criminal Law Democracy Elections Foreign Policy Gender Studies Government Happiness Human Psychology Human Rights </p> | <p>https://www.edx.org/course/subject/social-sciences</p> |

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| | Immigration International Development International Law Law Political Science Politics Psychology Public Policy Sociology Sustainable Development Women's Rights | |
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National Digital Library of India (NDLI)

UG Engineering

| Subjects | Link |
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| Computer Science & Engineering Video Lectures, Web Course: NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3SXVyVHdLSDhGekxrUitTVGRWZWWZZYXo3U3NUdU13M0tjckhSbIRCSIJ1eQ |
| Mechanical Engineering Video Lectures, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3RDdiWXFKTmplTEJvb1JVczR3K3FaT0RuQU9WSCtVOVYzRTMrdnYyT1VTbg |
| Chemical Engineering Video Lectures, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3TkIkeFpjY24rc3BYY1QvZmtrMkNZYz0 |
| Textile Engineering Video Lectures, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3SEZ1S01nbWQ2QURsNzdibi8vWlJ6Wk5lZmF6dUQ2R09lY3NFZVpwMHF1Vw |
| Mining Engineering Video Lectures, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3S1h4WUlid3hSdjVxMDhZUTFzSkNYbEsxck9WU1p6Ym9zUINZS1IkUEN4VQ |
| Aerospace Engineering Video Lectures, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3Sm9lbCtCNzEraEw2NHkxcXV1d1NOQT0 |
| Electrical Engineering Video Lectures, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3RUw1ekxMSE5VZyt5Yk9NNXNOMIJrNHUyR3NMdm9EZVMza2ZUSEIFMHJKVg |

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| Ocean Engineering Video Lectures, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3T2NxNDRST1BrWkKxdXFNckVYVmM5RjZhaTZrTDNUYXBRaWhPZXRNckx1Rw |
| Civil Engineering Video Lectures, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3QjFaNWIXa2RDVkYwQzd0MEIGcWFLYz0 |
| Engineering and Science Video Lectures : NPTEL | https://ndl.iitkgp.ac.in/document/THdKUzJiTkdUVkwWnUyclaaEs4QT09 |
| Video Lectures on Computer Science : Spoken Tutorial | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%22%5b%5d,%22b%22:%22%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%22%5b%22sourceOrganization=%22Spoken%20Tutorial%22%22%5d%7d%7d |
| Technology & Engineering Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzekxUb0hLWUJWK01yKy9RNFBZemhRWT0 |
| Computer Science & Engineering Video lectures, Notes: MIT OpenCourseware | https://ndl.iitkgp.ac.in/document/aUUzSzg0NXozaDZheVpnMEtnb3IZclAvRWIIWmN0VUxxeFpzVURYaUxyWT0 |

UG Science

| Subjects | Link |
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| Physics Video Lecture, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3TUdPa01WREpSWE4zbG5qZS9tUWhHTT0 |
| Chemistry and Biochemistry Video Lecture, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3S2k3ZWHLaU82L0lieDBqN0RhK0lvUm5SaXZvdVAXS2ZlcXJYOXIWMjZ1Tg |
| Mathematics Video Lecture, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3T3F3M1NzYTdhaFhSUUFpME5Jb0Vucz0 |
| Metallurgy and Material Science Video Lecture, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3THIDbUIPRmxmMG5NSzFHcnE4ZXFGT3pFWXU4VjVZTTQ1Zih2UTRJak9abQ |
| Biotechnology Video Lecture, Web Course : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3SE9vSUkyZXB6V0N1UUZVMkh5OWFGUT0 |
| Physics Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzNEcyU2doeDhNSmRLZ2VrbUxOTi9tST0 |
| Chemistry Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzekJ3R0dNbFJHcGdVU1NjS0M5NHdvMD0 |
| Biology Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzMGdTOXNwTFNZbFc2Sm9ONUixbVBNYz0 |
| Mathematics Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzOEEd1JDUDRWYIN5OUlpV3JQbDFDWT0 |
| Computer Science Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzOUFLQjhNb09rVW1QRCTLUVkoYkVxcz0 |

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| Mechanics Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzMFIXTHlvellvWkhXak9HNIFKZm5zbz0 |
| Organic Chemistry Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzMDFQWHVwTENHaVhxb2h6bnpCWHMzYz0 |
| Physical Chemistry Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzMTZPbGU3c09BTjA3Mms1ZXh2NzBBbz0 |
| Genetics Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzN0dyTCs3OGxyRzdaUWpPTzdRV2pBTT0 |
| Optics Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzNFM4aDhzMWZzVmRmTEhob2NoU1RNVt0 |
| Mathematics for Computer Science Video Lecture: MIT OpenCourseware | https://ndl.iitkgp.ac.in/document/aUUzSzg0NXozaDZheVpnMEtnb3lZb2lLd0hITUorRE92VIArWmk1eUIvbz0 |
| Foundations of Computational and Systems Biology Video Lecture: MIT OpenCourseware | https://ndl.iitkgp.ac.in/document/aUUzSzg0NXozaDZheVpnMEtnb3lZaUJCWXpKazYvUUVMT014cWxzMER3cz0 |
| Quantum Physics Video Lectures: MIT OpenCourseware | https://ndl.iitkgp.ac.in/document/aUUzSzg0NXozaDZheVpnMEtnb3lZbWRQQ3Y3em5IUXNkYkpqSHNJVWtEbz0 |

UG Other disciplines

| Subjects | Link |
|---|---|
| Humanities and Social Sciences Video Lectures : NPTEL | https://ndl.iitkgp.ac.in/document/Z2JzN0ZmU2VhdW5kODBJdWRCTmg3QzUzSVhIWmRZWlY3cjZweIV1ZzRJS1JLNzIORU9UaFhOOTZMWS84WTNCdQ |
| Social Science Books : EconStor | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%5b%22DDC%22:%22300%3A%3ASocial%20sciences%22%22,%22inLanguage%22:%22eng%22%22,%22learningResourceType%22:%22book%22%22,%22sourceOrganization%22:%22EconStor%22%22%5d%7d%7d |
| Economics Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzOWZ1WGNSc0dja1g1bDM3N3l3RIVzVT0 |
| Psychology Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzejF5ZE5XM01VbkNzL0RENnpDenZyZz0 |
| Social Science Video Lectures : World eBook Library | https://ndl.iitkgp.ac.in/result?q=%7B%22t%22:%22type%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7B%22browse%22:%22type%22,%22filters%22:%5b%22accessRights%22:%5C%22ndl%5C%22%22,%22DDC%22:%5C%22300%3A%3ASocial%20sciences%5C%22%22,%22type%22:%5C%22video%5C%22%22%5d%7D%7D |
| Ancient History Audio Books : World eBook Library | https://ndl.iitkgp.ac.in/result?q={%22t%22:%22search%22,%22k%22:%22ancient%20history%22,%22s%22:[%22accessRights%22:%22ndl%22%22,%22inLanguage%22:%22eng%22%22,%22learningResourceType%22:%22Audiobook%22%22,%22sourceOrganization%22:%22WORLD%20eBOOK%20LIBRARY%22%22],%22b%22:{%22filters%22:[%22type%22:%22audio%22%22,%22DDC%22:%22300%3A%3AH%20L%20A%20B%20O%20O%20K%22%22,%22inLanguage%22:%22eng%22%22,%22learningResourceType%22:%22audiobook%22%22,%22sourceOrganization%22:%22WORLD%20eBOOK%20LIBRARY%22%22}%22%7D%7D |

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| Ancient History Books : World eBook Library | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22search%22,%22k%22:%22ancient%20history%22,%22s%22:%5b%22accessRights=\%22ndl\%22%22,%22inLanguage=\%22eng\%22%22,%22learningResourceType=\%22book\%22%22,%22sourceOrganization=\%22WORLD%20eBOOK%20LIBRARY\%22%22%5d,%22b%22:%7b%22filters%22:%5b%5d%7d%7d |
| History, Philosophy, Literature Book, Audiobook : Project Gutenberg | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22search%22,%22k%22:%22modern%20history%22,%22s%22:%5b%22inLanguage=\%22eng\%22%22,%22sourceOrganization=\%22Project%20Gutenberg\%22%22%5d,%22b%22:%7b%22filters%22:%5b%5d%7d%7d |

Management

| Subjects | Link |
|---|---|
| Management and Accounting Questions and Solutions : StemEZ | http://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzMmNRZ1ZueW9CNnllc3dZc3c4YjhRMD0 |
| Management Book, Note, Article, Thesis : IIM Ahmedabad | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%5b%22accessRights=%22open%22%22,%22learningResourceType=%22article%22%22%22book%22%22notes%22%22thesis%22%22,%22sourceOrganization=%22IIM%20Ahmedabad%22%22%5d%7d%7d |

Law

| Subjects | Link |
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| Law Judgement, Article, Book Review : The Indian Law Institute, New Delhi | https://ndl.iitkgp.ac.in/document/cTFOUXJ2MitsTlo4NEpmdzJVcGJYa3psa1JTTjZYT01haS95bDI6UFJ6cz0 |
| Law Act, Judgement, Report, Article: Legal Information Institute of India: Legal Information Institute of India | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%5b%22sourceOrganization=%22Legal%20Information%20Institute%20of%20India%20(LII%20of%20India)%22%22%5d%7d%7d |
| Law Act, Newspaper Article : Human Rights Law Network | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%5b%22accessRights=%22open%22%22,%22sourceOrganization=%22Human%20Rights%20Law%20Network%22%22%5d%7d%7d |

Schools

| Subjects | Link |
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| NCERT Books, Question Papers, Solutions | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%22%5b%5d,%22b%22:%22%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%22%5b%22sourceOrganization=%22NCERT%22%22%5d%7d%7d |
| Video lectures on Computer Science : Spoken Tutorial | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%22%5b%5d,%22b%22:%22%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%22%5b%22sourceOrganization=%22Spoken%20Tutorial%22%22%5d%7d%7d |
| Video lectures, Notes, Model Answers, Self Assessment (Class VI - XII) : ExamFear | https://ndl.iitkgp.ac.in/document/MnRHWjNvN0NQMWNXak0rVmRwbWh5UEpCMXdt d3QvZ3d4Q1diby93TTc3WT0 |
| Video Lectures on English Grammer : ExamFear | https://ndl.iitkgp.ac.in/document/ZDFKWjkrdGxJUHVrdUNsQUhObzdrSTBHRTJhcVR XUm56YmVSOE1xRW5CMVRabndmbWo2TkhNVmltN1BPZkFnYQ |
| Video Lectures on Physics Experiments : ExamFear | https://ndl.iitkgp.ac.in/document/ZDFKWjkrdGxJUHVrdUNsQUhObzdrREpPNFIZmZR QL09aTjlnTnZoNENBZ0dPbHdlWkd3N0c3czJHRENLRThSVA |
| Book, Exercise, Self Assessment, Simulation: cK-12 | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%22%5b%5d,%22b%22:%22%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%22%5b%22accessRights=%22open%22%22,%22sourceOrganization=%22cK-12%22%22%5d%7d%7d |

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| Notes, Activity, Hands-on, Exercise, Self Assessment, Quiz, Simulation : TeachEngineering STEM curriculum for K-12 | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%5b%22sourceOrganization=\%22TeachEngineering%3A%20STEM%20curriculum%20for%20K-12\%22%22%5d%7d%7d |
| JEE Advanced 12 Years' Solved Papers : NDLI Tutor | https://ndl.iitkgp.ac.in/document/YVc2dFdCM1hOb0dqWmorRE9kRk1WOWRzWmpDTVVwV2k0UEIIMjJpRmhTND0 |
| JEE Preparation Physics : Practice Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzODhHd2xKQmkwRHFZOG5MSUdBcWFxbz0 |
| JEE Preparation Mathematics : Practice Questions and Solutions : StemEZ | https://ndl.iitkgp.ac.in/document/bnZnR2hPaUVqRU9TbFc2Rmp1MVJzMG1mQVJsMWYySkVkR29NTUgrYXBjVT0 |
| Video lectures, Exercise, Notes, Model Answers, Self Assessment, Simulation, Activity : Khan Academy | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%5b%22sourceOrganization=\%22Khan%20Academy\%22%22%5d%7d%7d |
| Video lectures, Animation : TED Ed | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%5b%22sourceOrganization=\%22TED%20Ed\%22%22%5d%7d%7d |
| Video lectures: WatchKnowLearn | https://ndl.iitkgp.ac.in/document/cTFmTVpuallYRmtvd3d1MDB4eVJmUXJIUk9WeTROTEZwaFMvVkdTa212VT0 |

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| Simulation: PhET | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%5b%22accessRights%22:%22open%22%22,%22sourceOrganization%22:%22PhET%20Interactive%20Simulations%22%22%5d%7d%7d |
| Video lectures, Simulation, Notes. Exercises, Solutions, Activity : the Physics Classroom | https://ndl.iitkgp.ac.in/document/eVRpVUxMZIJkSjVGcVMvNTV1NW5KR2JmTSt5QVNPZVlrdIRac3E5S3g5UDAYsS0bVVENmdSZzVpOFNuUTFFRQ |
| Lab material, Educational App Simulation, Data set: Go-Lab | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%5b%22sourceOrganization%22:%22Go-Lab%22%22%5d%7d%7d |
| Story for kids : Pratham Books StoryWeaver | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%5b%22sourceOrganization%22:%22Pratham%20Books%20%3A%3A%20StoryWeaver%22%22%5d%7d%7d |
| Video, Audio, Simulation, Text : Raj-eGyan : Class I - XII | https://ndl.iitkgp.ac.in/document/M3FUWTRzbHM1eGRpNDNRb0VXcEk5MWJzME9qNGhFVklPVdk3ZFRRcVRzST0 |
| Chart, Photograph, Visual Artwork : AstroPrix | https://ndl.iitkgp.ac.in/document/Z1RLRG01Vnl6MjhsT3NZR3BKQ0dmV1dabm5JdFg1MnVlckwxVTRuRmZIOD0 |
| Video lectures, Activity : Exploratorium | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%5b%5d,%22b%22:%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%5b%22sourceOrganization%22:%22Exploratorium%22%22%5d%7d%7d |

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| Video lectures, Lab materials, Simulations, Web courses, Exercise, Self Assessment : National Science Digital Library (NSDL) | https://ndl.iitkgp.ac.in/result?q=%7b%22t%22:%22sourceOrganization%22,%22k%22:%22%22,%22s%22:%22%5b%5d,%22b%22:%22%7b%22browse%22:%22sourceOrganization%22,%22filters%22:%22%5b%22sourceOrganization=%22National%20Science%20Digital%20Library%20(NSDL)%22%22%5d%7d%7d |
| Books, Activity, Self Assessment Simulation : ComPADRE | https://ndl.iitkgp.ac.in/document/NnFWR0xKNkICZDFQdktZVHJ6cVhxUk11R09oVWVYU2VTT3M3Q0hPVmt0WT0 |

NPTEL

Aerospace Engineering

| Subject Name | Institute | Content Type | Link |
|---|---------------|--------------|---|
| NOC:Rocket Propulsion | IIT Madras | Video | https://nptel.ac.in/courses/101/106/101106082/ |
| NOC:Introduction to Aerospace Engineering | IIT Bombay | Video | https://nptel.ac.in/courses/101/101/101101079/ |
| NOC:Introduction to Rocket Propulsion | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104078/ |
| NOC:Vibration and Structural Dynamics | IIT Kharagpur | Video | https://nptel.ac.in/courses/101/105/101105081/ |
| NOC:Satellite Attitude Dynamics and Control | IIT Kharagpur | Video | https://nptel.ac.in/courses/101/105/101105077/ |
| NOC:Advance Aircraft Maintenance | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104075/ |
| NOC:Introduction to Finite Volume Methods II | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104076/ |
| NOC:Fundamentals of Combustion (Part 2) | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104072/ |

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|--|----------------|-------|---|
| NOC:Design of fixed wing Unmanned Aerial Vehicles | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104073/ |
| NOC:Introduction to Finite Volume Methods I | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104074/ |
| NOC:Fundamentals Of Combustion - I | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104070/ |
| NOC:Aircraft Maintenance | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104071/ |
| NOC:Combustion in air breathing aero engines | IISc Bangalore | Video | https://nptel.ac.in/courses/101/108/101108068/ |
| NOC:Aircraft Design | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104069/ |
| NOC:Introduction to Ancient Indian Technology | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104065/ |
| NOC:Engineering Thermodynamics | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104067/ |
| NOC:Engineering Thermodynamics | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104063/ |
| NOC:Aircraft Dynamic Stability & Design Stability Augmentation System | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104064/ |
| Combustion | IIT Madras | Video | https://nptel.ac.in/courses/101/106/101106037/ |

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| NOC:Aircraft Stability and Control | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104062/ |
| Aircraft Structural Dynamics | IIT Kharagpur | Web | https://nptel.ac.in/courses/101/105/101105022/ |
| Space Flight Mechanics | IIT Kharagpur | Web | https://nptel.ac.in/courses/101/105/101105029/ |
| Aircraft Performance, Stability and control with experiments in Flight | IIT Kanpur | Web | https://nptel.ac.in/courses/101/104/101104007/ |
| NOC:Introduction to airplane performance | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104061/ |
| Introduction to CFD | IIT Madras | Video | https://nptel.ac.in/courses/101/106/101106045/ |
| Aerospace Propulsion | IIT Madras | Video | https://nptel.ac.in/courses/101/106/101106033/ |
| Jet and Rocket Propulsion | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104019/ |
| Space Technology | IIT Madras | Web | https://nptel.ac.in/courses/101/106/101106046/ |
| Composite Materials | IIT Madras | Web | https://nptel.ac.in/courses/101/106/101106038/ |
| Introduction to Propulsion | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104018/ |
| Airplane design (Aerodynamic) | IIT Madras | Web | https://nptel.ac.in/courses/101/106/101106035/ |
| Guidance of Missiles | IISc Bangalore | Web | https://nptel.ac.in/courses/101/108/101108054/ |
| Navigation, Guidance, And Control | IISc Bangalore | Web | https://nptel.ac.in/courses/101/108/101108056/ |

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| Introduction to Aerodynamics | IIT Kharagpur | Video | https://nptel.ac.in/courses/101/105/101105059/ |
| High Speed Aero Dynamics | IIT Kharagpur | Video | https://nptel.ac.in/courses/101/105/101105024/ |
| Experimental Gas/Aerodynamics | IIT Madras | Web | https://nptel.ac.in/courses/101/106/101106040/ |
| Principles of Fluid Dynamics | IIT Guwahati | Web | https://nptel.ac.in/courses/101/103/101103004/ |
| Gas Dynamics | IIT Madras | Video | https://nptel.ac.in/courses/101/106/101106044/ |
| Optimal Control, Guidance and Estimation | IISc Bangalore | Video | https://nptel.ac.in/courses/101/108/101108057/ |
| Acoustic Instabilities in Aerospace Propulsion | IIT Madras | Video | https://nptel.ac.in/courses/101/106/101106031/ |
| Flight dynamics II - Airplane stability and control | IIT Madras | Web | https://nptel.ac.in/courses/101/106/101106043/ |
| Hypersonic Aerodynamics | IIT Guwahati | Web | https://nptel.ac.in/courses/101/103/101103003/ |
| Flight Dynamics II (Stability) | IIT Madras | Video | https://nptel.ac.in/courses/101/106/101106042/ |
| Introduction to Helicopter Aerodynamics and Dynamics | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104017/ |
| Turbomachinery Aerodynamics | IIT Bombay | Video | https://nptel.ac.in/courses/101/101/101101058/ |
| Space Flight Mechanics | IIT Kharagpur | Video | https://nptel.ac.in/courses/101/105/101105030/ |

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|--|----------------|-------|---|
| Aero elasticity | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104005/ |
| Composite Materials and Structures | IIT Kanpur | Web | https://nptel.ac.in/courses/101/104/101104010/ |
| Instability and Transition of Fluid Flows | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104015/ |
| Fundamentals of Combustion | IIT Kanpur | Web | https://nptel.ac.in/courses/101/104/101104014/ |
| High Speed Aero Dynamics | IIT Kharagpur | Web | https://nptel.ac.in/courses/101/105/101105023/ |
| Jet Aircraft Propulsion | IIT Bombay | Video | https://nptel.ac.in/courses/101/101/101101002/ |
| Introduction to Aerospace Propulsion | IIT Bombay | Video | https://nptel.ac.in/courses/101/101/101101001/ |
| Advanced Control System Design for Aerospace Vehicles | IISc Bangalore | Video | https://nptel.ac.in/courses/101/108/101108047/ |
| Flight dynamics I - Airplane performance | IIT Madras | Web | https://nptel.ac.in/courses/101/106/101106041/ |
| Foundation of Scientific Computing | IIT Kanpur | Video | https://nptel.ac.in/courses/101/104/101104013/ |
| Introduction to Turbulent Flows and their prediction | IIT Madras | Web | https://nptel.ac.in/courses/101/106/101106060/ |

Agriculture

| Subjects | Institute | Content Type | Link |
|--|---------------|--------------|---|
| NOC:Thermal Operations in Food Process Engineering: Theory and Applications | IIT Kharagpur | Video | https://nptel.ac.in/courses/126/105/126105018/ |
| NOC:Thermal Processing of Foods | IIT Guwahati | Video | https://nptel.ac.in/courses/126/103/126103017/ |
| NOC:Novel Technologies for Food Processing and Shelf Life Extension | IIT Kharagpur | Video | https://nptel.ac.in/courses/126/105/126105015/ |
| NOC:Soil Science and Technology | IIT Kharagpur | Video | https://nptel.ac.in/courses/126/105/126105016/ |
| NOC:Farm Machinery | IIT Kharagpur | Video | https://nptel.ac.in/courses/126/105/126105009/ |
| NOC:Irrigation and Drainage | IIT Kharagpur | Video | https://nptel.ac.in/courses/126/105/126105010/ |
| NOC:Fundamentals of Food Process Engineering | IIT Kharagpur | Video | https://nptel.ac.in/courses/126/105/126105011/ |
| NOC:Soil and Water Conservation Engineering | IIT Kharagpur | Video | https://nptel.ac.in/courses/126/105/126105012/ |
| NOC:Dairy and Food process and products technology | IIT Kharagpur | Video | https://nptel.ac.in/courses/126/105/126105013/ |

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| NOC:Organic Farming for Sustainable Agricultural Production | IIT Kharagpur | Video | https://nptel.ac.in/courses/126/105/126105014/ |
| NOC:Momentum transfer in process engineering | IIT Kharagpur | Video | https://nptel.ac.in/courses/126/105/126105008/ |
| NOC:Nutrition, Therapeutics and Health (NM) | IIT Kanpur | Video | https://nptel.ac.in/courses/126/104/126104004/ |
| NOC:Weather Forecast in Agriculture and Agro-advisory (WF) | IIT Kanpur | Video | https://nptel.ac.in/courses/126/104/126104005/ |
| NOC:Integrated Pest Management (IPM) | IIT Kanpur | Video | https://nptel.ac.in/courses/126/104/126104003/ |
| NOC:ICT Basics | IIT Kanpur | Video | https://nptel.ac.in/courses/126/104/126104006/ |
| NOC:MobiMOOC (Audio Course in Hindi) | IIT Kanpur | Web | https://nptel.ac.in/courses/126/104/126104007/ |
| NOC:Basic Crop Production Practices (BCPP) | IIT Kanpur | Video | https://nptel.ac.in/courses/126/104/126104001/ |
| NOC:GIS in Ag-Essentials and Applications (GIS) | IIT Kanpur | Video | https://nptel.ac.in/courses/126/104/126104002/ |

Architecture

| Subjects | Institute | Content Type | Link |
|---|-------------|--------------|---|
| NOC:Sustainable Architecture | IIT Roorkee | Video | https://nptel.ac.in/courses/124/107/124107011/ |
| NOC:Structure, Form and Architecture : The Synergy | IIT Roorkee | Video | https://nptel.ac.in/courses/124/107/124107012/ |
| NOC:Disaster Recovery And Build Back Better | IIT Roorkee | Video | https://nptel.ac.in/courses/124/107/124107010/ |
| NOC:Introduction to History of Architecture in India | IISER Pune | Video | https://nptel.ac.in/courses/124/106/124106009/ |
| NOC:User Interface Design | IIT Roorkee | Video | https://nptel.ac.in/courses/124/107/124107008/ |
| NOC:Urban governance and Development Management (UGDM) | IIT Roorkee | Video | https://nptel.ac.in/courses/124/107/124107007/ |
| NOC:Culturally Responsive Built Environments | IIT Roorkee | Video | https://nptel.ac.in/courses/124/107/124107004/ |

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|--|---------------|-------|---|
| NOC:Contemporary Architecture and Design | IIT Roorkee | Video | https://nptel.ac.in/courses/124/107/124107005/ |
| NOC:Role of Craft and Technology in Interior - Architecture | IIT Roorkee | Video | https://nptel.ac.in/courses/124/107/124107006/ |
| NOC:Architectural Acoustics | IIT Kharagpur | Video | https://nptel.ac.in/courses/124/105/124105004/ |
| NOC:Architectural Conservation And Historic Preservation | IIT Kharagpur | Video | https://nptel.ac.in/courses/124/105/124105003/ |
| NOC:Landscape Architecture and Site Planning - Basic Fundamentals | IIT Kharagpur | Video | https://nptel.ac.in/courses/124/105/124105001/ |
| NOC:Visual Communication Design for Digital Media | IIT Roorkee | Video | https://nptel.ac.in/courses/124/107/124107002/ |
| NOC:Housing Policy & Planning | IIT Roorkee | Video | https://nptel.ac.in/courses/124/107/124107001/ |

Atmospheric Science

| Subject Name | Institute | Content Type | Link |
|-------------------------------------|----------------|--------------|---|
| Introduction to Atmospheric Science | IIT Madras | Video | https://nptel.ac.in/courses/119/106/119106008/ |
| Physics of Atmosphere and Ocean | IIT Delhi | Web | https://nptel.ac.in/courses/119/102/119102007/ |
| The monsoon and its variability | IISc Bangalore | Video | https://nptel.ac.in/courses/119/108/119108006/ |
| Radiation Heat Transfer | IISc Bangalore | Video | https://nptel.ac.in/courses/119/108/119108004/ |

Basic courses-Sem 1 and 2

| Subject Name | Institute | Content Type | Link |
|---|----------------|--------------|---|
| Basic Biology | IIT Guwahati | Web | https://nptel.ac.in/courses/122/103/122103039/ |
| Engineering Chemistry I | IIT Bombay | Web | https://nptel.ac.in/courses/122/101/122101001/ |
| Engineering Physics II | IIT Bombay | Web | https://nptel.ac.in/courses/122/101/122101002/ |
| Mathematics I | IIT Bombay | Web | https://nptel.ac.in/courses/122/101/122101003/ |
| Concept of Management and Evolution of Management thought | IISc Bangalore | Video | https://nptel.ac.in/courses/122/108/122108038/ |
| Engineering Physics I | IIT Roorkee | Video | https://nptel.ac.in/courses/122/107/122107035/ |
| Mathematics II | IIT Roorkee | Video | https://nptel.ac.in/courses/122/107/122107036/ |
| Mathematics III | IIT Roorkee | Video | https://nptel.ac.in/courses/122/107/122107037/ |
| Basic Electronics and Lab | IIT Madras | Video | https://nptel.ac.in/courses/122/106/122106025/ |
| Basic Electronics and Lab | IIT Madras | Web | https://nptel.ac.in/courses/122/106/122106026/ |
| Classical Physics | IIT Madras | Video | https://nptel.ac.in/courses/122/106/122106027/ |
| Engineering Chemistry I | IIT Madras | Video | https://nptel.ac.in/courses/122/106/122106028/ |
| Engineering Chemistry III | IIT Madras | Web | https://nptel.ac.in/courses/122/106/122106029/ |

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| Environmental Chemistry and Analysis | IIT Madras | Web | https://nptel.ac.in/courses/122/106/122106030/ |
| Management Science I | IIT Madras | Web | https://nptel.ac.in/courses/122/106/122106031/ |
| Management Science II | IIT Madras | Web | https://nptel.ac.in/courses/122/106/122106032/ |
| Numerical methods and programing | IIT Madras | Video | https://nptel.ac.in/courses/122/106/122106033/ |
| Quantum Physics | IIT Madras | Video | https://nptel.ac.in/courses/122/106/122106034/ |
| Human Resource Management-I | IIT Kharagpur | Video | https://nptel.ac.in/courses/122/105/122105020/ |
| Leadership | IIT Kharagpur | Video | https://nptel.ac.in/courses/122/105/122105021/ |
| Management Information System | IIT Kharagpur | Video | https://nptel.ac.in/courses/122/105/122105022/ |
| Physics I - Oscillations & Waves | IIT Kharagpur | Video | https://nptel.ac.in/courses/122/105/122105023/ |
| Strategic Management | IIT Kharagpur | Video | https://nptel.ac.in/courses/122/105/122105024/ |
| Basic Electronics | IIT Kanpur | Web | https://nptel.ac.in/courses/122/104/122104013/ |
| Engineering Mechanics | IIT Kanpur | Web | https://nptel.ac.in/courses/122/104/122104014/ |
| Engineering Mechanics | IIT Kanpur | Video | https://nptel.ac.in/courses/122/104/122104015/ |
| Engineering Physics II | IIT Kanpur | Video | https://nptel.ac.in/courses/122/104/122104016/ |
| Mathematics I | IIT Kanpur | Video | https://nptel.ac.in/courses/122/104/122104017/ |
| Mathematics II | IIT Kanpur | Web | https://nptel.ac.in/courses/122/104/122104018/ |

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|---|--------------|-------|---|
| Numerical Analysis in Computer Programming | IIT Kanpur | Web | https://nptel.ac.in/courses/122/104/122104019/ |
| Engineering Physics I (Experiment) | IIT Guwahati | Web | https://nptel.ac.in/courses/122/103/122103010/ |
| Engineering Physics I (Theory) | IIT Guwahati | Web | https://nptel.ac.in/courses/122/103/122103011/ |
| Mathematics III | IIT Guwahati | Web | https://nptel.ac.in/courses/122/103/122103012/ |
| Applied mechanics | IIT Delhi | Video | https://nptel.ac.in/courses/122/102/122102004/ |
| Environment and Ecology | IIT Delhi | Web | https://nptel.ac.in/courses/122/102/122102006/ |
| Management Science I | IIT Delhi | Video | https://nptel.ac.in/courses/122/102/122102007/ |
| Materials Science | IIT Delhi | Video | https://nptel.ac.in/courses/122/102/122102008/ |
| Numerical Methods and Computation | IIT Delhi | Video | https://nptel.ac.in/courses/122/102/122102009/ |

Biotechnology

| Subject Name | Institute | Content Type | Link |
|---|----------------|--------------|---|
| NOC:Forests and their management | IIT Kanpur | Video | https://nptel.ac.in/courses/102/104/102104082/ |
| NOC:Interactomics : Basics & Applications | IIT Bombay | Video | https://nptel.ac.in/courses/102/101/102101082/ |
| NOC:Optical Spectroscopy and Microscopy : Fundamentals of optical measurements and instrumentation | IISc Bangalore | Video | https://nptel.ac.in/courses/102/108/102108082/ |
| NOC:Thermodynamics for Biological Systems : Classical and Statistical Aspect | IIT Madras | Video | https://nptel.ac.in/courses/102/106/102106082/ |
| NOC:Genetic Engineering: Theory and Application | IIT Guwahati | Video | https://nptel.ac.in/courses/102/103/102103074/ |

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| NOC:Introduction to Proteogenomics | IIT Bombay | Video | https://nptel.ac.in/courses/102/101/102101076/ |
| NOC:Drug Delivery: Principles and Engineering | IISc Bangalore | Video | https://nptel.ac.in/courses/102/108/102108077/ |
| NOC:Plant Cell Bioprocessing | IIT Madras | Video | https://nptel.ac.in/courses/102/106/102106080/ |
| NOC:Tissue engineering | IIT Madras | Video | https://nptel.ac.in/courses/102/106/102106081/ |
| NOC:Plant Developmental Biology | IIT Roorkee | Video | https://nptel.ac.in/courses/102/107/102107075/ |
| NOC:Wild Life Ecology | IIT Kanpur | Video | https://nptel.ac.in/courses/102/104/102104073/ |
| NOC:Applications of interactomics using Genomics and proteomics technologies | IIT Bombay | Video | https://nptel.ac.in/courses/102/101/102101072/ |
| NOC:Learning about Learning: A Course on Neurobiology of Learning and Memory | IISc Bangalore | Video | https://nptel.ac.in/courses/102/108/102108071/ |

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| NOC:Bioengineering: An Interface with Biology and Medicine | IIT Bombay | Video | https://nptel.ac.in/courses/102/101/102101068/ |
| NOC:WildLife Conservation | IIT Kanpur | Video | https://nptel.ac.in/courses/102/104/102104068/ |
| NOC:Nanotechnology in Agriculture | IIT Kanpur | Video | https://nptel.ac.in/courses/102/104/102104069/ |
| NOC:Biomicrofluidics | IIT Kharagpur | Video | https://nptel.ac.in/courses/102/105/102105068/ |

See more under the Discipline **Biotechnology** at [NPTEL](https://nptel.ac.in/)

Chemical Engineering

| Subject Name | Institute | Content Type | Link |
|--|----------------|--------------|---|
| NOC:Electrochemical Technology in Pollution Control | IISc Bangalore | Video | https://nptel.ac.in/courses/103/108/103108162/ |
| NOC:Environmental Quality Monitoring & Analysis | IIT Madras | Video | https://nptel.ac.in/courses/103/106/103106162/ |
| NOC:Advanced Thermodynamics | IIT Guwahati | Video | https://nptel.ac.in/courses/103/103/103103162/ |
| NOC:Membrane Technology | IIT Guwahati | Video | https://nptel.ac.in/courses/103/103/103103163/ |
| NOC:Computer Aided Applied Single Objective Optimization | IIT Guwahati | Video | https://nptel.ac.in/courses/103/103/103103164/ |
| NOC:Basic Principles and Calculations in Chemical Engineering | IIT Guwahati | Video | https://nptel.ac.in/courses/103/103/103103165/ |
| NOC:Chemical Process Safety | IIT Roorkee | Video | https://nptel.ac.in/courses/103/107/103107156/ |
| NOC:Technologies For Clean And Renewable Energy Production | IIT Roorkee | Video | https://nptel.ac.in/courses/103/107/103107157/ |

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|--|---------------|-------|---|
| NOC:Fluid and Particle Mechanics | IIT Madras | Video | https://nptel.ac.in/courses/103/106/103106158/ |
| NOC:Continuum Mechanics and Transport Phenomena | IIT Madras | Video | https://nptel.ac.in/courses/103/106/103106159/ |
| NOC:Flow through porous media | IIT Kharagpur | Video | https://nptel.ac.in/courses/103/105/103105160/ |
| NOC:Fundamentals of Particle and Fluid Solid Processing | IIT Kharagpur | Video | https://nptel.ac.in/courses/103/105/103105161/ |
| NOC:Chemical Engineering Thermodynamics | IIT Kanpur | Video | https://nptel.ac.in/courses/103/104/103104151/ |
| NOC:Chemical Process Intensification | IIT Guwahati | Video | https://nptel.ac.in/courses/103/103/103103152/ |
| NOC:Chemical Reaction Engineering-I | IIT Guwahati | Video | https://nptel.ac.in/courses/103/103/103103153/ |
| NOC:Mass Transfer Operations II | IIT Guwahati | Video | https://nptel.ac.in/courses/103/103/103103154/ |
| NOC:Mechanical Unit Operations | IIT Guwahati | Video | https://nptel.ac.in/courses/103/103/103103155/ |
| System Identification | IIT Madras | Video | https://nptel.ac.in/courses/103/106/103106149/ |
| NOC:Process Control - Design, Analysis and Assessment | IIT Madras | Video | https://nptel.ac.in/courses/103/106/103106148/ |

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|---|---------------|-------|---|
| NOC:Mass, Momentum and Energy Balances in Engineering Analysis | IIT Kharagpur | Video | https://nptel.ac.in/courses/105/105/105105186/ |
| NOC:Equipment Design: Mechanical Aspects | IIT Roorkee | Video | https://nptel.ac.in/courses/103/107/103107143/ |

See more under the Discipline **Chemical Engineering** at [NPTEL](#)

Chemistry and Biochemistry

| Subject Name | Institute | Content Type | Link |
|--|----------------|--------------|---|
| NOC:Principles and Applications of NMR Spectroscopy | IISc Bangalore | Video | https://nptel.ac.in/courses/104/108/104108078/ |
| NOC:Chemistry - II | IIT Madras | Video | https://nptel.ac.in/courses/104/106/104106074/ |
| NOC:Application of Spectroscopic Methods in Molecular Structure Determination | IIT Madras | Video | https://nptel.ac.in/courses/104/106/104106075/ |
| Computational Chemistry | IIT Bombay | Web | https://nptel.ac.in/courses/104/101/104101002/ |
| NOC:Biochemistry | IIT Kharagpur | Video | https://nptel.ac.in/courses/104/105/104105076/ |
| Protein chemistry | IIT Kharagpur | Web | https://nptel.ac.in/courses/104/105/104105040/ |
| NOC:Chemistry - I | IIT Madras | Video | https://nptel.ac.in/courses/104/106/104106072/ |
| Organic Reaction Mechanism | IIT Bombay | Web | https://nptel.ac.in/courses/104/101/104101005/ |
| Principles and Applications of Electron Paramagnetic Resonance Spectroscopy | IIT Madras | Video | https://nptel.ac.in/courses/104/106/104106048/ |
| Environmental chemistry | IIT Guwahati | Web | https://nptel.ac.in/courses/104/103/104103020/ |

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|---|----------------|-------|---|
| Chemistry of Materials | IIT Guwahati | Web | https://nptel.ac.in/courses/104/103/104103019/ |
| Mathematics for Chemistry | IIT Kanpur | Video | https://nptel.ac.in/courses/104/104/104104026/ |
| Organic Chemistry and Pericyclic Reactions | IIT Kharagpur | Web | https://nptel.ac.in/courses/104/105/104105071/ |
| Polymer Chemistry | IIT Kharagpur | Video | https://nptel.ac.in/courses/104/105/104105039/ |
| Co-ordination chemistry (chemistry of transition elements) | IIT Kharagpur | Video | https://nptel.ac.in/courses/104/105/104105033/ |
| Introductory Quantum Chemistry | IISc Bangalore | Video | https://nptel.ac.in/courses/104/108/104108057/ |
| Introduction to Organometallic Chemistry | IIT Bombay | Web | https://nptel.ac.in/courses/104/101/104101006/ |
| Bio-inorganic chemistry | IIT Kharagpur | Video | https://nptel.ac.in/courses/104/105/104105031/ |
| Basic Organic Chemistry | IIT Guwahati | Web | https://nptel.ac.in/courses/104/103/104103071/ |
| Introduction to Organometallic Chemistry | IISc Bangalore | Video | https://nptel.ac.in/courses/104/108/104108062/ |
| Bio-Organic Chemistry of Natural Enediyne Anticancer Antibiotics | IIT Guwahati | Web | https://nptel.ac.in/courses/104/103/104103068/ |
| Heterocyclic Chemistry | IIT Kharagpur | Video | https://nptel.ac.in/courses/104/105/104105034/ |
| Selected Topics in Co-ordination Chemistry | IIT Madras | Web | https://nptel.ac.in/courses/104/106/104106064/ |

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|---------------------------------------|--------------|-------|---|
| Advance Analytical Course | IIT Kanpur | Video | https://nptel.ac.in/courses/104/104/104104066/ |
| Catalytic Asymmetric Synthesis | IIT Guwahati | Web | https://nptel.ac.in/courses/104/103/104103067/ |

See more under the Discipline **Chemistry and Biochemistry** at [NPTEL](#)

Civil Engineering

| Subject Name | Institute | Content Type | Link |
|--|---------------|--------------|---|
| NOC:Geomorphology | IIT Roorkee | Video | https://nptel.ac.in/courses/105/107/105107200/ |
| NOC:Remote Sensing Essentials | IIT Roorkee | Video | https://nptel.ac.in/courses/105/107/105107201/ |
| NOC:Characterization of Construction Materials | IIT Madras | Video | https://nptel.ac.in/courses/105/106/105106200/ |
| NOC:Introduction to Civil Engineering Profession | IIT Madras | Video | https://nptel.ac.in/courses/105/106/105106201/ |
| NOC:Maintenance and Repair of Concrete Structures | IIT Madras | Video | https://nptel.ac.in/courses/105/106/105106202/ |
| NOC:Mechanical Characterization of Bituminous Materials | IIT Madras | Video | https://nptel.ac.in/courses/105/106/105106203/ |
| NOC:Soil Structure Interaction | IIT Kharagpur | Video | https://nptel.ac.in/courses/105/105/105105200/ |

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| NOC:Water Supply Engineering | IIT Kharagpur | Video | https://nptel.ac.in/courses/105/105/105105201/ |
| NOC:Geo Spatial Analysis in Urban Planning | IIT Kharagpur | Video | https://nptel.ac.in/courses/105/105/105105202/ |
| NOC:Hydraulic Engineering | IIT Kharagpur | Video | https://nptel.ac.in/courses/105/105/105105203/ |
| NOC:Earthquake Geology:A tool for Seismic Hazard Assessment | IIT Kanpur | Video | https://nptel.ac.in/courses/105/104/105104200/ |
| NOC:Environmental Geomechanics | IIT Bombay | Video | https://nptel.ac.in/courses/105/101/105101200/ |
| NOC:Geotechnical Engineering - 1 | IIT Bombay | Video | https://nptel.ac.in/courses/105/101/105101201/ |
| NOC:Design of Masonry Structures | IIT Madras | Video | https://nptel.ac.in/courses/105/106/105106197/ |
| NOC:Structural Geology | IIT Kanpur | Video | https://nptel.ac.in/courses/105/104/105104191/ |

See more under the Discipline **Civil Engineering** at [NPTEL](https://nptel.ac.in/)

Computer Science and Engineering

| Subject Name | Institute | Content Type | Link |
|---|----------------|--------------|---|
| NOC:Google Cloud Computing Foundation Course | IIT Kharagpur | Video | https://nptel.ac.in/courses/106/105/106105223/ |
| NOC:Data Analytics with Python | IIT Roorkee | Video | https://nptel.ac.in/courses/106/107/106107220/ |
| NOC:Introduction to Database Systems | IIT Madras | Video | https://nptel.ac.in/courses/106/106/106106220/ |
| NOC:Foundations of Cryptography | IIIT Bangalore | Video | https://nptel.ac.in/courses/106/106/106106221/ |
| NOC:Modern Application Development | IIT Madras | Video | https://nptel.ac.in/courses/106/106/106106222/ |
| NOC:GPU Architectures and Programming | IIT Kharagpur | Video | https://nptel.ac.in/courses/106/105/106105220/ |
| NOC:Introduction to Blockchain Technology and Applications | IIT Kanpur | Video | https://nptel.ac.in/courses/106/104/106104220/ |
| NOC:Arithmetic Circuit Complexity | IIT Kanpur | Video | https://nptel.ac.in/courses/106/104/106104221/ |

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|--|--------------|-------|---|
| NOC:User-centric Computing for Human-Computer Interaction | IIT Guwahati | Video | https://nptel.ac.in/courses/106/103/106103220/ |
| NOC:An Introduction to Artificial Intelligence | IIT Delhi | Video | https://nptel.ac.in/courses/106/102/106102220/ |
| NOC:C Programming and Assembly Language | IIT Madras | Video | https://nptel.ac.in/courses/106/106/106106210/ |

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Electrical Engineering

| Subject Name | Institute | Content Type | Link |
|--|----------------|--------------|---|
| NOC:Design and Simulation of Power conversion using open source tools | IISc Bangalore | Video | https://nptel.ac.in/courses/108/108/108108166/ |
| NOC:High Power Multilevel Converters- Analysis, design and operational issues | IIT Delhi | Video | https://nptel.ac.in/courses/108/102/108102157/ |
| NOC:Electronics equipment integration and Prototype building | IISc Bangalore | Video | https://nptel.ac.in/courses/108/108/108108157/ |
| NOC:Power Quality Improvement Technique | IIT Roorkee | Video | https://nptel.ac.in/courses/108/107/108107157/ |
| NOC:Transmission lines and electromagnetic waves | IIT Madras | Video | https://nptel.ac.in/courses/108/106/108106157/ |
| NOC:Digital IC Design | IIT Madras | Video | https://nptel.ac.in/courses/108/106/108106158/ |
| NOC:Power Management Integrated Circuits | IIT Madras | Video | https://nptel.ac.in/courses/108/106/108106159/ |

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|--|--------------|-------|---|
| NOC:DC Power Transmission Systems | IIT Madras | Video | https://nptel.ac.in/courses/108/106/108106160/ |
| NOC:Optical Engineering | IIT Madras | Video | https://nptel.ac.in/courses/108/106/108106161/ |
| NOC:Nonlinear System Analysis | IIT Madras | Video | https://nptel.ac.in/courses/108/106/108106162/ |
| NOC:Signals and Systems | IISER Bhopal | Video | https://nptel.ac.in/courses/108/106/108106163/ |
| NOC:Linear Dynamical Systems | IIT Mandi | Video | https://nptel.ac.in/courses/108/106/108106164/ |

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Electronics & Communication Engineering

| Subject Name | Institute | Content_Type | Link |
|---|----------------|--------------|---|
| NOC:Fundamentals of micro and nanofabrication | IISc Bangalore | Video | https://nptel.ac.in/courses/102/108/102108078/ |
| NOC:LDPC and Polar Codes in 5G Standard | IIT Madras | Video | https://nptel.ac.in/courses/108/106/108106137/ |
| NOC:Basics of software-defined radios and practical applications | IIT Roorkee | Video | https://nptel.ac.in/courses/108/107/108107107/ |
| NOC:Analog IC Design | IIT Madras | Video | https://nptel.ac.in/courses/108/106/108106105/ |
| NOC:Enclosure design of electronics equipment | IISc Bangalore | Video | https://nptel.ac.in/courses/117/108/117108140/ |
| NOC:Design of photovoltaic systems | IISc Bangalore | Video | https://nptel.ac.in/courses/117/108/117108141/ |
| NOC:Photonic integrated circuits | IISc Bangalore | Video | https://nptel.ac.in/courses/117/108/117108142/ |
| NOC:Power system analysis | IIT Kharagpur | Video | https://nptel.ac.in/courses/117/105/117105140/ |
| NOC:Analog communication | IIT Kharagpur | Video | https://nptel.ac.in/courses/117/105/117105143/ |

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| NOC:Modern digital communication techniques | IIT Kharagpur | Video | https://nptel.ac.in/courses/117/105/117105144/ |
| NOC:Digital speech processing | IIT Kharagpur | Video | https://nptel.ac.in/courses/117/105/117105145/ |
| NOC:Analog Circuits and Systems through SPICE Simulation | IIT Kharagpur | Video | https://nptel.ac.in/courses/117/105/117105147/ |

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Engineering Design

| Subject Name | Institute | Content_Type | Link |
|---|---------------|--------------|---|
| NOC:Fundamentals of Automotive Systems | IIT Madras | Video | https://nptel.ac.in/courses/107/106/107106088/ |
| NOC:Geographic Information System | IIT Kharagpur | Video | https://nptel.ac.in/courses/107/105/107105088/ |
| NOC:Design, Technology and Innovation | IIT Bombay | Video | https://nptel.ac.in/courses/107/101/107101088/ |
| NOC:Ergonomics In Automotive Design | IIT Guwahati | Video | https://nptel.ac.in/courses/107/103/107103084/ |
| NOC:Ergonomics Workplace Analysis | IIT Guwahati | Video | https://nptel.ac.in/courses/107/103/107103085/ |
| NOC:Innovation by Design | IIT Bombay | Video | https://nptel.ac.in/courses/107/101/107101086/ |
| NOC:Understanding Design | IIT Bombay | Video | https://nptel.ac.in/courses/107/101/107101087/ |
| NOC:System Design for Sustainability | IIT Guwahati | Video | https://nptel.ac.in/courses/107/103/107103081/ |

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|--|----------------|-------|---|
| NOC:Product Design and Innovation | IIT Guwahati | Video | https://nptel.ac.in/courses/107/103/107103082/ |
| NOC:Interaction Design | IIT Guwahati | Video | https://nptel.ac.in/courses/107/103/107103083/ |
| NOC:Control systems | IIT Madras | Video | https://nptel.ac.in/courses/107/106/107106081/ |
| Methodology for Design Research | IISc Bangalore | Web | https://nptel.ac.in/courses/107/108/107108011/ |
| Design for Manufacture and Assembly(DFMA) | IIT Guwahati | Web | https://nptel.ac.in/courses/107/103/107103012/ |
| Creative Engineering Design | IISc Bangalore | Web | https://nptel.ac.in/courses/107/108/107108010/ |
| Vehicle Dynamics | IIT Madras | Video | https://nptel.ac.in/courses/107/106/107106080/ |
| Principles of Engineering System Design | IIT Madras | Video | https://nptel.ac.in/courses/107/106/107106009/ |
| Design Philosophy & History | IIT Kanpur | Web | https://nptel.ac.in/courses/107/104/107104078/ |
| Visual Communication | IIT Bombay | Web | https://nptel.ac.in/courses/107/101/107101001/ |

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|--|--------------|-------|---|
| Design Paradigm: Source Of Innovation & Invention | IIT Kanpur | Web | https://nptel.ac.in/courses/107/104/107104076/ |
| Color in Design | IIT Kanpur | Web | https://nptel.ac.in/courses/109/104/109104075/ |
| Ergonomics for beginners: Industrial design perspective | IIT Guwahati | Video | https://nptel.ac.in/courses/107/103/107103004/ |
| Design fundamentals | IIT Guwahati | Web | https://nptel.ac.in/courses/107/103/107103002/ |

Environmental Science

| Subject Name | Institute | Content Type | Link |
|---|----------------|--------------|---|
| Environment Management | IISc Bangalore | Web | https://nptel.ac.in/courses/120/108/120108004/ |
| Municipal Solid Waste Management | IISc Bangalore | Web | https://nptel.ac.in/courses/120/108/120108005/ |
| Aquatic Biodiversity and Environmental Pollution | IISc Bangalore | Web | https://nptel.ac.in/courses/120/108/120108002/ |

General

| Subject Name | Institute | Content Type | Link |
|--|---------------|--------------|---|
| NOC:Non-Conventional Energy Resources | IIT Madras | Video | https://nptel.ac.in/courses/121/106/121106014/ |
| NOC:Digital and the Everyday: from codes to cloud | IIT Madras | Video | https://nptel.ac.in/courses/121/106/121106011/ |
| NOC:Effective Engineering Teaching in Practice | IIT Madras | Video | https://nptel.ac.in/courses/121/106/121106012/ |
| NOC:Virtual Reality Engineering | IIT Madras | Video | https://nptel.ac.in/courses/121/106/121106013/ |
| NOC:Introduction to Remote Sensing | IIT Roorkee | Video | https://nptel.ac.in/courses/121/107/121107009/ |
| NOC:Outcome Based Pedagogic Principles for Effective Teaching | IIT Kharagpur | Video | https://nptel.ac.in/courses/121/105/121105010/ |
| NOC:Stress Management | IIT Kharagpur | Video | https://nptel.ac.in/courses/121/105/121105009/ |
| NOC:Introduction to Research | IIT Madras | Video | https://nptel.ac.in/courses/121/106/121106007/ |
| NOC:Biology for engineers and other non-biologists | IIT Madras | Video | https://nptel.ac.in/courses/121/106/121106008/ |

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|---|------------|-------|---|
| Astronomy in Ancient, Medieval and Early Telescopic Era of India | IIT Kanpur | Video | https://nptel.ac.in/courses/121/104/121104006/ |
| Introduction to Japanese Language and Culture | IIT Kanpur | Video | https://nptel.ac.in/courses/121/104/121104005/ |
| Ayurvedic Inheritance of India | IIT Madras | Video | https://nptel.ac.in/courses/121/106/121106003/ |

Humanities and Social Sciences

| Subject Name | Institute | Content Type | Link |
|--|--------------|--------------|---|
| NOC:Introduction to Brain & Behaviour | IIT Kanpur | Video | https://nptel.ac.in/courses/109/104/109104171/ |
| NOC:Indian Business History | IIT Guwahati | Video | https://nptel.ac.in/courses/109/103/109103171/ |
| NOC:Energy Resources, Economics and Environment | IIT Bombay | Video | https://nptel.ac.in/courses/109/101/109101171/ |
| NOC:Introduction to Environmental Economics | IIT Roorkee | Video | https://nptel.ac.in/courses/109/107/109107171/ |
| NOC:Effective Writing | IIT Roorkee | Video | https://nptel.ac.in/courses/109/107/109107172/ |
| NOC:Strategic Trade and protectionism - Theories and Empirics | IIT Roorkee | Video | https://nptel.ac.in/courses/109/107/109107173/ |
| NOC:Literary Criticism (From Plato to Leavis) | IIT Madras | Video | https://nptel.ac.in/courses/109/106/109106171/ |

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| NOC:Twentieth Century Fiction | IIT Madras | Video | https://nptel.ac.in/courses/109/106/109106172/ |
| NOC:Modern Indian Writing in Translation | IIT Madras | Video | https://nptel.ac.in/courses/109/106/109106173/ |
| NOC:Introduction to Political Ideologies : Contexts, Ideas, and Practices | IIT Madras | Video | https://nptel.ac.in/courses/109/106/109106174/ |
| NOC:Feminism : Concepts and Theories | IIT Madras | Video | https://nptel.ac.in/courses/109/106/109106175/ |

See more under the Discipline **Humanities and Social Sciences** at [NPTEL](https://nptel.ac.in/)

Management

| Subject Name | Institute | Content Type | Link |
|--|---------------|--------------|---|
| NOC:Production and Operation Management | IIT Roorkee | Video | https://nptel.ac.in/courses/110/107/110107141/ |
| NOC:Services Marketing : Integrating People, Technology, Strategy | IIT Roorkee | Video | https://nptel.ac.in/courses/110/107/110107142/ |
| NOC:Managerial Skills for Interpersonal Dynamics | IIT Roorkee | Video | https://nptel.ac.in/courses/110/107/110107143/ |
| NOC:Financial Management For Managers | IIT Roorkee | Video | https://nptel.ac.in/courses/110/107/110107144/ |
| NOC:Entrepreneurship | IIT Madras | Video | https://nptel.ac.in/courses/110/106/110106141/ |
| NOC:Modelling and Analytics for Supply Chain Management | IIT Kharagpur | Video | https://nptel.ac.in/courses/110/105/110105141/ |
| NOC:Marketing Analytics | IIT Kharagpur | Video | https://nptel.ac.in/courses/110/105/110105142/ |
| NOC:Management of Commercial Banking | IIT Kharagpur | Video | https://nptel.ac.in/courses/110/105/110105143/ |

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| NOC:Behavioral and Personal Finance | IIT Kharagpur | Video | https://nptel.ac.in/courses/110/105/110105144/ |
| NOC:Introduction to Stochastic Processes | IIT Bombay | Video | https://nptel.ac.in/courses/110/101/110101141/ |
| NOC:Introduction to System Dynamics Modeling | IIT Bombay | Video | https://nptel.ac.in/courses/110/101/110101142/ |
| NOC:Integrated Marketing Management | IISc Bangalore | Video | https://nptel.ac.in/courses/110/108/110108141/ |

See more under the Discipline **Management** at [NPTEL](https://nptel.ac.in/)

Mathematics

| Subject Name | Institute | Content Type | Link |
|---|----------------|--------------|---|
| NOC:An introduction to smooth manifolds | IISc Bangalore | Video | https://nptel.ac.in/courses/111/108/111108134/ |
| NOC:Measure Theory | IISc Bangalore | Video | https://nptel.ac.in/courses/111/108/111108135/ |
| NOC:Introduction to Algebraic Geometry and Commutative Algebra | IISc Bangalore | Video | https://nptel.ac.in/courses/111/108/111108136/ |
| NOC:Probabilistic Methods in PDE | IISER Pune | Video | https://nptel.ac.in/courses/111/106/111106134/ |
| NOC:Linear Algebra | IIT Madras | Video | https://nptel.ac.in/courses/111/106/111106135/ |
| NOC:Engineering Mathematics II | IIT Kharagpur | Video | https://nptel.ac.in/courses/111/105/111105134/ |
| NOC:Advanced Probability Theory | IIT Delhi | Video | https://nptel.ac.in/courses/111/102/111102134/ |
| NOC:Basic Real Analysis | IIT Bombay | Video | https://nptel.ac.in/courses/111/101/111101134/ |
| NOC:Higher Engineering Mathematics | IIT Roorkee | Video | https://nptel.ac.in/courses/111/107/111107127/ |
| NOC:Operations Research | IIT Roorkee | Video | https://nptel.ac.in/courses/111/107/111107128/ |

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|---|---------------|-------|---|
| NOC:Mathematical Methods for Boundary Value Problems | IIT Kharagpur | Video | https://nptel.ac.in/courses/111/105/111105132/ |
| NOC:Mathematical Finance | IIT Guwahati | Video | https://nptel.ac.in/courses/111/103/111103126/ |

See more under the Discipline **Mathematics** at [NPTEL](#)

Mechanical Engineering

| Subject Name | Institute | Content Type | Link |
|--|----------------|--------------|---|
| NOC:Introduction to Soft Matter | IISc Bangalore | Video | https://nptel.ac.in/courses/112/108/112108289/ |
| NOC:Robotics and Control : Theory and Practice | IIT Roorkee | Video | https://nptel.ac.in/courses/112/107/112107289/ |
| NOC:Acoustic Materials and Metamaterials | IIT Roorkee | Video | https://nptel.ac.in/courses/112/107/112107290/ |
| NOC:Power Plant Engineering | IIT Roorkee | Video | https://nptel.ac.in/courses/112/107/112107291/ |
| NOC:Principles of Industrial Engineering | IIT Roorkee | Video | https://nptel.ac.in/courses/112/107/112107292/ |
| NOC:Foundations of Computational Materials Modelling | IIT Madras | Video | https://nptel.ac.in/courses/112/106/112106289/ |
| NOC:Fundamentals of combustion for propulsion | IIT Madras | Video | https://nptel.ac.in/courses/112/106/112106290/ |
| NOC:Computer Integrated Manufacturing | IIT Kanpur | Video | https://nptel.ac.in/courses/112/104/112104289/ |
| NOC:Machining Science | IIT Kanpur | Video | https://nptel.ac.in/courses/112/104/112104290/ |
| NOC:Computational Fluid Dynamics for Incompressible Flows | IIT Guwahati | Video | https://nptel.ac.in/courses/112/103/112103289/ |

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|---|---------------|-------|---|
| NOC:Experimental Methods in Fluid Mechanics | IIT Guwahati | Video | https://nptel.ac.in/courses/112/103/112103290/ |
| NOC:Product Design Using Value Engineering | IIT Roorkee | Video | https://nptel.ac.in/courses/112/107/112107282/ |
| NOC:Selection Of Nanomaterials For Energy Harvesting And Storage Application | IIT Roorkee | Video | https://nptel.ac.in/courses/112/107/112107283/ |
| NOC:Engineering Mechanics | IIT Madras | Video | https://nptel.ac.in/courses/112/106/112106286/ |
| NOC:Advanced Concepts in Fluid Mechanics | IIT Kharagpur | Video | https://nptel.ac.in/courses/112/105/112105287/ |
| NOC:Turbulent Combustion: Theory and Modelling | IIT Kanpur | Video | https://nptel.ac.in/courses/112/104/112104272/ |
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Metallurgy and Material Science

| Subject Name | Institute | Content Type | Link |
|--|-------------|--------------|---|
| NOC:Dealing with materials data : collection, analysis and interpretation | IIT Bombay | Video | https://nptel.ac.in/courses/113/101/113101096/ |
| NOC:Modeling of tundish steelmaking process in continuous casting | IIT Roorkee | Video | https://nptel.ac.in/courses/113/107/113107096/ |
| NOC:Properties of Materials (Nature and Properties of Materials : III) | IIT Kanpur | Video | https://nptel.ac.in/courses/113/104/113104096/ |
| NOC:Diffusion in Multicomponent Solids | IIT Kanpur | Video | https://nptel.ac.in/courses/113/104/113104097/ |
| NOC:Thermo-Mechanical And Thermo-Chemical Processes | IIT Roorkee | Video | https://nptel.ac.in/courses/113/107/113107091/ |
| NOC:Welding Metallurgy | IIT Roorkee | Video | https://nptel.ac.in/courses/113/107/113107092/ |
| NOC:Nanotechnology, Science and Applications | IIT Madras | Video | https://nptel.ac.in/courses/113/106/113106093/ |
| NOC:Corrosion - Part II | IIT Kanpur | Video | https://nptel.ac.in/courses/113/104/113104089/ |

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|--|---------------|-------|---|
| NOC:Fundamentals and Applications of Dielectric Ceramics | IIT Kanpur | Video | https://nptel.ac.in/courses/113/104/113104090/ |
| NOC:Welding Processes | IIT Madras | Video | https://nptel.ac.in/courses/113/106/113106087/ |
| NOC:Creep deformation of materials | IIT Madras | Video | https://nptel.ac.in/courses/113/106/113106088/ |
| NOC:Surface Engineering for Corrosion and Wear Resistance Application | IIT Kharagpur | Video | https://nptel.ac.in/courses/113/105/113105086/ |
| NOC:Solar Photovoltaics: Principles, Technologies & Materials | IIT Kanpur | Video | https://nptel.ac.in/courses/113/104/113104084/ |
| NOC:Defects in Crystalline Solids (Part-II) | IIT Kanpur | Video | https://nptel.ac.in/courses/113/104/113104085/ |
| NOC:Friction and wear of materials: principles and case studies | IIT Roorkee | Video | https://nptel.ac.in/courses/113/108/113108083/ |

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Mining Engineering

| Subject Name | Institute | Content Type | Link |
|--|---------------|--------------|---|
| NOC:Network Analysis for Mines and Mineral Engineering | IIT Kharagpur | Video | https://nptel.ac.in/courses/123/105/123105004/ |
| NOC:Drilling and Blasting Technology | IIT Kharagpur | Video | https://nptel.ac.in/courses/123/105/123105003/ |
| An Introduction to Underground Mine Environment and Ventilation | IIT Madras | Web | https://nptel.ac.in/courses/123/106/123106002/ |
| Fundamentals of Environmental Pollution and Control | IIT Kharagpur | Video | https://nptel.ac.in/courses/123/105/123105001/ |

Multidisciplinary

| Subject Name | Institute | Content Type | Link |
|---|----------------|--------------|---|
| NOC:NBA Accreditation and Teaching - Learning in Engineering (NATE) | IISc Bangalore | Video | https://nptel.ac.in/courses/127/108/127108135/ |
| NOC:Thermodynamics | IIT Madras | Video | https://nptel.ac.in/courses/127/106/127106135/ |
| NOC:Regulatory requirements for medical devices including in vitro diagnostics in India (Version 2.0) | IIT Madras | Video | https://nptel.ac.in/courses/127/106/127106136/ |
| NOC:Current regulatory requirements for conducting clinical trials in India for investigational new drugs/new drug (Version 2.0) | IIT Madras | Video | https://nptel.ac.in/courses/127/106/127106137/ |
| Basic course in Biomedical Research | IIT Madras | Video | https://nptel.ac.in/courses/127/106/127106134/ |
| NOC:Introduction To Learning Analytics | IIT Bombay | Video | https://nptel.ac.in/courses/127/101/127101012/ |
| NOC:Designing learner-centric e-learning in STEM disciplines | IIT Bombay | Video | https://nptel.ac.in/courses/127/101/127101013/ |

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| NOC:Sustainable and Affordable Sanitation Solutions For Small Towns: Policy, Planning and Practice | IIT Bombay | Video | https://nptel.ac.in/courses/127/101/127101014/ |
| NOC:Game Theory | IIT Bombay | Video | https://nptel.ac.in/courses/110/101/110101133/ |
| NOC:Teaching And Learning in General Programs: TALG | IISc Bangalore | Video | https://nptel.ac.in/courses/127/108/127108015/ |
| NOC:(TALE 2: Course Design and Instruction of Engineering Courses) | IISc Bangalore | Video | https://nptel.ac.in/courses/127/108/127108016/ |
| NOC:Numerical Methods for Engineers | IIT Madras | Video | https://nptel.ac.in/courses/127/106/127106019/ |
| NOC:Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts | IIT Kharagpur | Video | https://nptel.ac.in/courses/127/105/127105018/ |
| NOC:Accreditation and Outcome based Learning | IIT Kharagpur | Video | https://nptel.ac.in/courses/127/105/127105017/ |
| NOC:Designing Learner-Centric MOOCs | IIT Bombay | Video | https://nptel.ac.in/courses/127/101/127101010/ |
| NOC:Regulatory requirements for medical devices and IVDs in India | IIT Madras | Video | https://nptel.ac.in/courses/127/106/127106010/ |

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|--|----------------|-------|---|
| NOC:Current regulatory requirements for conducting clinical trials in India | IIT Madras | Video | https://nptel.ac.in/courses/127/106/127106009/ |
| NOC:Fuzzy Logic and Neural Networks | IIT Kharagpur | Video | https://nptel.ac.in/courses/127/105/127105006/ |
| NOC:Entrepreneurship Essentials | IIT Kharagpur | Video | https://nptel.ac.in/courses/127/105/127105007/ |
| NOC:Roadmap for patent creation | IIT Kharagpur | Video | https://nptel.ac.in/courses/127/105/127105008/ |
| NOC:Teaching And Learning in Engineering (TALE) | IISc Bangalore | Video | https://nptel.ac.in/courses/127/108/127108005/ |
| NOC:Neuroscience of Human Movement | IIT Madras | Video | https://nptel.ac.in/courses/127/106/127106001/ |
| NOC:Manage TB | IIT Madras | Video | https://nptel.ac.in/courses/127/106/127106003/ |
| NOC:Ecology and Environment | IIT Madras | Video | https://nptel.ac.in/courses/127/106/127106004/ |
| NOC:Qualitative Research Methods and Research Writing | IIT Kharagpur | Video | https://nptel.ac.in/courses/109/105/109105115/ |
| NOC:Health Research Fundamentals | IIT Madras | Video | https://nptel.ac.in/courses/109/106/109106095/ |

Nanotechnology

| Subject Name | Institute | Content Type | Link |
|--|-------------|--------------|---|
| Nanostructures and Nanomaterials: Characterization and Properties | IIT Kanpur | Video | https://nptel.ac.in/courses/118/104/118104008/ |
| Nano structured materials-synthesis, properties, self assembly and applications | IIT Delhi | Video | https://nptel.ac.in/courses/118/102/118102003/ |
| Nanobiotechnology | IIT Roorkee | Web | https://nptel.ac.in/courses/118/107/118107015/ |
| Nanophotonics | IIT Madras | Web | https://nptel.ac.in/courses/118/106/118106021/ |
| Nanobiotechnology | IIT Madras | Web | https://nptel.ac.in/courses/118/106/118106019/ |

Ocean Engineering

| Subject Name | Institute | Content Type | Link |
|--|---------------|--------------|---|
| NOC:Structural Health Monitoring | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106046/ |
| NOC:Computer Methods Of Structural Analysis Of Offshore Structures | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106045/ |
| NOC:Water Economics and Governance | IIT Kharagpur | Video | https://nptel.ac.in/courses/114/105/114105044/ |
| NOC:Offshore Structures Under Special Loads Including Fire Resistance | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106043/ |
| NOC:Risk and Reliability of offshore structures | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106041/ |
| NOC:HSE for offshore and petroleum engineers-Practices | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106042/ |
| NOC:Health, Safety and Environmental Management in Offshore and Petroleum Engineering | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106039/ |
| NOC:Dynamics of Ocean Structures | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106038/ |

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| Port and Harbour Structures | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106025/ |
| Foundation for Offshore Structures | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106015/ |
| Design of Offshore Structures | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106011/ |
| Advanced Marine Structures | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106037/ |
| Ship Resistance and Propulsion | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106026/ |
| Ocean Structures and Materials | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106035/ |
| Dynamics of Ocean Structures | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106036/ |
| Coastal Engineering | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106032/ |
| Health,Safety and Environmental Management in Petroleum and Offshore Engineering | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106017/ |
| Wave Hydrodynamics | IIT Madras | Video | https://nptel.ac.in/courses/114/106/114106033/ |
| Wave simulation, measurement and analysis | IIT Madras | Web | https://nptel.ac.in/courses/114/106/114106028/ |
| Elements of Ocean Engineering | IIT Kharagpur | Video | https://nptel.ac.in/courses/114/105/114105002/ |
| Marine Hydrodynamics | IIT Kharagpur | Video | https://nptel.ac.in/courses/114/105/114105005/ |
| Hydrostatics and Stability | IIT Kharagpur | Video | https://nptel.ac.in/courses/114/105/114105003/ |

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| Seakeeping & Manoeuvring | IIT Kharagpur | Video | https://nptel.ac.in/courses/114/105/114105006/ |
| Marine Construction and Welding | IIT Kharagpur | Video | https://nptel.ac.in/courses/114/105/114105004/ |
| Applied Thermodynamics for Marine Systems | IIT Kharagpur | Video | https://nptel.ac.in/courses/114/105/114105029/ |
| Performance of Marine Vehicles at Sea | IIT Kharagpur | Video | https://nptel.ac.in/courses/114/105/114105030/ |
| Strength and Vibration of Marine Structures | IIT Kharagpur | Video | https://nptel.ac.in/courses/114/105/114105031/ |

Physics

| Subject Name | Institute | Content Type | Link |
|--|---------------|--------------|---|
| NOC:Optical Sensors | IIT Roorkee | Video | https://nptel.ac.in/courses/115/107/115107122/ |
| NOC:Physics through Computational Thinking | IISER Bhopal | Video | https://nptel.ac.in/courses/115/106/115106121/ |
| NOC:Electromagnetism | IISER Bhopal | Video | https://nptel.ac.in/courses/115/106/115106122/ |
| NOC:Experimental Physics III | IIT Kharagpur | Video | https://nptel.ac.in/courses/115/105/115105121/ |
| NOC:Electronic Theory of Solids | IIT Kharagpur | Video | https://nptel.ac.in/courses/115/105/115105122/ |
| NOC:Physics of Biological Systems | IIT Bombay | Video | https://nptel.ac.in/courses/115/101/115101121/ |
| NOC:Group Theory methods in Physics | IIT Bombay | Video | https://nptel.ac.in/courses/115/101/115101122/ |
| NOC:Solar Photovoltaics Fundamentals, Technology And Applications | IIT Roorkee | Video | https://nptel.ac.in/courses/115/107/115107116/ |
| NOC:Computational Physics | IIT Madras | Video | https://nptel.ac.in/courses/115/106/115106118/ |
| NOC:Waves and Oscillations | IIT Madras | Video | https://nptel.ac.in/courses/115/106/115106119/ |
| NOC:Experimental Physics - II | IIT Kharagpur | Video | https://nptel.ac.in/courses/115/105/115105120/ |
| NOC:Physics of Turbulence | IIT Kanpur | Video | https://nptel.ac.in/courses/115/104/115104112/ |

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| NOC:Theoretical Mechanics | IIT Guwahati | Video | https://nptel.ac.in/courses/115/103/115103115/ |
| NOC:Path Integral and functional methods in quantum field theory | IIT Bombay | Video | https://nptel.ac.in/courses/115/101/115101117/ |
| NOC:Introduction To Statistical Mechanics | IIT Guwahati | Video | https://nptel.ac.in/courses/115/103/115103113/ |
| NOC:Numerical Methods And Simulation Techniques For Scientists And Engineers | IIT Guwahati | Video | https://nptel.ac.in/courses/115/103/115103114/ |

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Special Series

| Subject Name | Institute | Content Type | Link |
|--|------------|--------------|---|
| ACM Winter School on Hybrid Cloud | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106012/ |
| ACM Summer School on Graph Theory and Graph Algorithms,2019 - Calicut | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106008/ |
| ACM Summer School on Compiler Design and Construction,2019 - Pune | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106009/ |
| ACM Summer School on Geometric Algorithms and their Applications,2019 - Bhubaneswar | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106010/ |
| ACM Summer School on Algorithmic and Theoretical Aspects of Machine Learning,2019 - Bangalore | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106011/ |
| ACM Summer School on Algorithmic Game Theory,2019 - IIT Gandhinagar | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106007/ |

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|---|------------|-------|---|
| Researching Anglo-Indians in India and the Diaspora,2018 - Chennai | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106004/ |
| DRAVIDIAN TEMPLE ARCHITECTURE & CONSTRUCTION TECHNIQUES,2018 - Chennai | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106005/ |
| ACM Summer School In Data Science,2018 - Goa | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106002/ |
| ACM Summer School On Graph Theory and Graph Algorithms,2018 - Coimbatore | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106001/ |
| Topics In Theoretical Computer Science,2018 - Chennai Mathematical Institute | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106003/ |
| ACM Summer School In Data Science,2018- Bangalore | IIT Madras | Video | https://nptel.ac.in/courses/128/106/128106006/ |

Textile Engineering

| Subject Name | Institute | Content Type | Link |
|--|-----------|--------------|---|
| NOC:Textile Finishing | IIT Delhi | Video | https://nptel.ac.in/courses/116/102/116102054/ |
| NOC:Principles of Combing, Roving preparation & Ring spinning | IIT Delhi | Video | https://nptel.ac.in/courses/116/102/116102055/ |
| NOC:Science and Technology of Weft and Warp Knitting | IIT Delhi | Video | https://nptel.ac.in/courses/116/102/116102056/ |
| NOC:Science of Clothing Comfort | IIT Delhi | Video | https://nptel.ac.in/courses/116/102/116102047/ |
| NOC:Yarn manufacture I : Principle of Carding and Drawing | IIT Delhi | Video | https://nptel.ac.in/courses/116/102/116102048/ |
| Textile chemical Processing: Theory and practice of Preparatory Processes | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102016/ |
| Fabric Manufacture - I | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102005/ |
| Textile Fibres | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102026/ |
| Mechanics of Textile Machinery | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102012/ |
| Manufactured Fibre Technology | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102010/ |

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| High Performance and Specialty Fibres | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102006/ |
| Shuttleless Weaving | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102017/ |
| Yarn Manufacture - II | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102038/ |
| Textile Effluent and its Management | IIT Kanpur | Web | https://nptel.ac.in/courses/116/104/116104045/ |
| Natural Dyes | IIT Kanpur | Video | https://nptel.ac.in/courses/116/104/116104044/ |
| Natural Dyes | IIT Kanpur | Web | https://nptel.ac.in/courses/116/104/116104046/ |
| Theory of Yarn Structures | IIT Delhi | Video | https://nptel.ac.in/courses/116/102/116102034/ |
| Knitting Technology | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102008/ |
| Nonwoven Technology | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102014/ |
| Quality Control in Textile Industry | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102019/ |
| Textile Testing | IIT Delhi | Web | https://nptel.ac.in/courses/116/102/116102029/ |
| NOC:Evaluation of Textile Materials | IIT Delhi | Video | https://nptel.ac.in/courses/116/102/116102049/ |
| NOC:Testing of Functional and Technical Textiles | IIT Delhi | Video | https://nptel.ac.in/courses/116/102/116102050/ |
| NOC:Advanced Textile Printing Technology | IIT Delhi | Video | https://nptel.ac.in/courses/116/102/116102052/ |
| NOC:Textured Yarn Technology | IIT Delhi | Video | https://nptel.ac.in/courses/116/102/116102053/ |

HUAWEI

TALENT ONLINE

| Courses | Introduction | Link |
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| Huawei eSpace U1900(V200R003C00) Voice System Basic Configuration and Operation | Huawei eSpace U1900(V200R003C00) Voice System Basic Configuration and Operation mainly introduces the U1900 system composition, EGW system function, IAD and IP phones. The content of this course includes, but is not limited to, U1900 System Introduction and configuration. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000008+2019.6.11/about |
| HCIP-VC-IHVCP(Introducing Huawei Video Conference H.323 and SIP Protocol) Training | HCIP-VC-IHVCP(Introducing Huawei Video Conference H.323 and SIP Protocol) Training mainly introduces the H.323 protocol system and SIP protocol, which are commonly used in video conferencing. It introduces the method of packet analysis and fault location. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000011+2018.7/about |
| HCIP-VC IHVP(Implementing Huawei Advanced | HCIP-VC IHVP(Implementing Huawei Advanced ViewPoint System) Training mainly introduces the advanced functions and features of devices (including video terminals, MCUs, and SMCs) in the video | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000012+2018.7/about |

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| ViewPoint System) Training | conferencing system. | |
| Enterprise LAN Technology Training (For OpenLab) | The course will firstly introduce Ethernet overview,the working principle of Ethernet network devices and Ethernet ports technologies .And then the VLAN basic principle and configuration and VLAN advanced features and configuration will be introduced. After that,the course will introduce GVRP protocol principle and Ethernet link aggregation. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000013+219.6.11/about |
| Enterprise IP Routing Technology Training | This course will introduce routing protocol basis, RIP feature and configuration, OSPF feature and configuration, IS-IS feature and configuration, BGP feature and configuration, route selection and control feature. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000014+2019.6.11/about |
| NE Routers Operation and Maintenance Training | This course mainly introduces NE series routers, Huawei VRP system, IP routing technologies, MPLS VPN technologies, HA technology and IP QoS technology. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000016+2019.6.11/about |
| AR G3 Routers Operation and Maintenance Training | This course mainly introduces AR G3 product Introduction Huawei VRP system, LAN technologies, WAN interfaces, PPP/MP principle and configuration, IP routing technologies, HA technology, IP QoS technology and AR G3 security features. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000017+2019.6.11/about |

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| Campus Network Switch (S series) Essential Operation and Maintenance Training | This course mainly introduces about Box Switches (S67/S57/S37/S27) product, Huawei VRP system, LAN technologies, VRRP feature and configuration, HA technology, Box Switches (S67/S57/S37/S27) security feature. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000019+2019.6.11/about |
| OceanStor Enterprise Unified Storage V3 series products multimedia training | This course will introduce OceanStor Enterprise Unified Storage V3 series products configuration theory of basic storage service, Clone feature, HyperMirror feature, LUN Copy feature and so on. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000026+2018.7/about |
| OceanStor 9000 installation (For OpenLab) | This course will introduce the preparation for installation and installation process. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000038+2019.6.11/about |
| HCIA-VC Career Certification Training V2.5 | HCIA-VC Career Certification Training V2.5 mainly introduces the functions and operations of devices (terminal, MCU, SMC, RSE) in Huawei videoconferencing system, the deployment plan of video system, and H.323 protocol system. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000040+2018.7/about |
| OceanStor Enterprise Converged Storage V3 series products | This course will introduce OceanStor Enterprise Converged Storage V3 series products configuration theory of basic storage service. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000052+2019.6.11/about |

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| multimedia training (For OpenLab) | | |
| FusionCloud Desktop (Standard) V100R005C20 Software Installation | This course describes the FusionAccess, functions of each component, how to install these components, how to create VM users, VM templates, and how to initialize configurations. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000054+2019.6.11/about |
| HCIE-Routing & Switching e-Learning Course V1.1 | As an auxiliary learning video for HCIE-R&S career certification, this course is developed by senior trainers in the industry. This course introduces the protocol principles and configurations involved in the HCIE-R&S certification exam, regardless of whether you are improving your technical skills or preparing for certification exams, these courses will help you feel more relaxed on the road to learning. Key Words: HCIE; R&S; certification; Routing; Switching | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000058+2018.7/about |
| CH222 V3 Compute Node Hardware Multimedia | This course introduces the hardware installation and component replacement of the CH222 V3 compute node. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000059+2018.7/about |
| CH242 V3 Compute Node Hardware Multimedia | This course introduces hardware installation and component replacement of CH242 V3 compute nodes. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000060+2018.7/about |
| RH5885 V3 Server | This course will introduce RH5885 V3 Server hardware installation | https://ilearningx.huawei.com/portal/courses/course- |

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| Hardware Multimedia | and component replacement. | v1:HuaweiX+EBGTC00000061+2019.6.11/about |
| RH5885H V3 Server Hardware Multimedia | This course will introduce RH5885H V3 Server hardware installation and component replacement. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000062+2018.7/about |
| RH2288H V3 Server Hardware Multimedia | This course will introduce the RH2288H V3 Server hardware installation and component replacement. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000065+2019.6.11/about |
| Introducing iBMC - the Intelligent Management System | This course will give a brief introduction to the Huawei server intelligent management system, iBMC and advantages and operations of iBMC. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000067+2018.7/about |
| HCIP-UC Training V2.9 | HCIP-UC Training V2.9 mainly describes the devices involved in the eSpace UC solution. It describes the common networking and advanced features of the eSpace UC. The content of this course includes, but is not limited to, the eSpace UC solution networking, the ECS basic services, and the eSpace IPT reliability networking. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000079+2018.7/about |
| HCIA-UC Training V2.8 | HCIA-UC Training V2.8 mainly introduces the basic functions of the devices in the eSpace IPT system, including the U1900, IAD, and IP phones. The content of this course includes, but is not limited to, the introduction of the eSpace IPT solution, the introduction of the eSpace IAD, and the introduction of the eSpace IP phone. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000080+2018.7/about |

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| HCS-Field-Server V2.5 (Huawei Certified Field Specialist -Server) | We will introduce how to connect server to storage network and the routine maintenance, troubleshooting for Servers and so on. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000081+2018.7/about |
| HCIP-WLAN-CEWA Training | This course is based on the large and medium-sized WLAN enterprises network. It introduces how to construct large enterprises WLAN network, considering the high security, high reliability, layer 3 roaming, Mesh network, and Huawei BYOD(Bring Your Own Device) solution. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000082+2018.7/about |
| HCIP-WLAN-POEW Training | This course detail introducing the types of WLAN network deployment, data design, equipment & antenna selection, parameters calculation, site survey and so on. It is designed to give WLAN engineer an idea of how to design and optimize a WLAN network, not only for indoor settled, indoor distributed but also for outdoor WLAN networks. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000083+2018.7/about |
| HCIE-Storage LAB Training | This course introduces several HCIE-Storage experiments. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000089+2018.7/about |
| Huawei Intelligent Video Surveillance System (For OpenLab) | Huawei Intelligent Video Surveillance System mainly introduces the background and development history of intelligent video surveillance technology, as well as the functions and features of Huawei Intelligent Video Surveillance system architecture and equipment (IPC, VCN, | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000091+2019.6.11/about |

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| OpenStack-based Huawei FusionSphere Solution | This course will introduce the functions of the OpenStack, architecture, development process. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000094+2019.6.11/about |
| IT WIZ TALK | This course introduces Huawei FusionInsight LibrA, Huawei KunLun SAP HANA Appliance Solution, and Medium and Algorithms of Huawei's ES3000 SSD. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000097+2018.7/about |
| HyperMetro-based Active-Active DR Solution | Introduce general disaster recovery technologies, solutions, and the advantages and disadvantages of each disaster recovery solution;Describe the architecture and functions of HyperMetro-based Active-Active Data Center Solution;Introduce success stories of HyperMetro-based Active-Active Data Center Solution. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000102+2018.7/about |
| HCIA-WLAN Training V2.0 | Huawei WLAN Product, VRP Introduction and Basic Configuration, The basic operation of the AC. WLAN Topologies, 802.11 Protocol, 802.11 Physical Layer Technology, CAPWAP Fundamentals, WLAN Networking and Configuration.Huawei WLAN Product Features Introduction. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000105+2018.7/about |

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| HCIA-Public Safety Training V1.0 | HCIA-Public Safety Training V1.0 is positioned to help students establish the basic concepts of the public safety industry and form a common language with customers to help ICT practitioners quickly enter the public safety industry. This course is only open to Huawei employees. If Huawei employees want to take this course, please email learning@huawei.com . We will open the course for you after verifying your identity. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000107+2018.7/about |
| HCIP-Storage-CCSN V4.0 | This course will introduce storage product hardware software features and storage system typical applications also will be included in this course. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000116+2018.7/about |
| Huawei OceanStor Dorado V3 Hardware Installation and Parts Replacement | Introduce the hardware installation and component replacement of the Huawei OceanStor Dorado 5000V3 (NVMe) storage system. Introduce the hardware installation and component replacement of the Huawei OceanStor Dorado 5000V3 (SAS) storage system. Introduce Huawei's OceanStor Dorado 6000V3 storage system hardware installation and component replacement. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000130+2018.7/about |
| [Oceanstor Talks]Huawei OceanStor Dorado V3 Key Technology Introduction | This course introduces Chipset Design Technologies of Huawei OceanStor Dorado V3; SSD Design of Huawei OceanStor Dorado V3; Huawei OceanStor Dorado V3 RAID-TP Technology; Reliability Design of Huawei OceanStor Dorado V3; Huawei's 3 to 1 Data; Reduction Guarantee Made on its OceanStor Dorado V3 Storage; How Huawei OceanStor Dorado V3 Achieves 0.5ms Latency, etc. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000131+2018.7/about |

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| E9000 Server Elementary Training-Deployment and Management Training | This course describes the E9000 server deployment management, focusing on the E9000 converged architecture blade. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000136+2019.6.11/about |
| Software-Defined Networking Helps Enterprises Go Digital | In this course, the trainer will start from the limitations of traditional networks and introduce SDN basics, application scenarios, current development situations and trends, common SDN network solutions, and Huawei SDN products. Through this course, you will have a panoramic understanding of SDN. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000138+2019.6.11/about |
| Cloud Service De-mystified | Cloud, popular and trendy notwithstanding, still poses a mystery to lots of IT people. To de-mystify cloud computing and cloud service, this MooC course starts with the recent history of IT and pain point analysis of the industry. It then illustrates the features and value of cloud technology, followed by the introduction of a dozen typical Huawei Cloud service products. The course concludes with the information of Huawei cloud service training and certification. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000139+2018.7/about |
| Data Center — New-Generation Cloudified Internet Infrastructure | In this course, the trainer will start with the question "what is data" and introduce the concepts of data and DC, development history, and latest cloud DC development trend. In addition, the trainer will further describe the logical and physical architectures, core technologies, and common devices of cloud DCs. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000140+2019.6.11/about |

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| Learning About IoT with Experts (For OpenLab) | Starting with the development history and definition of the IoT, this course first describes the IoT system architecture and related technologies, and then introduces the application of IoT in our daily life. After learning this course, you will be able to master the IoT. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000141+2019.6.11/about |
| Next-Generation Cyber Security (For OpenLab) | In this course, the trainer will start with the question "what is cyber security" and introduce the common network threats, helping you to understand the in-depth defense systems that safeguard information security and form the basis of cyber security. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000142+2019.6.11/about |
| Only Fusion Can Go Far-Leading You into Big Data | This course will introduce Huawei Big Data Solution and Application. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000143+2019.6.11/about |
| HCIP-R&S-IERS Training V2.0 | This course introduce the working principle of OSPF, ISIS and BGP, and corresponding configuration and implementation on the VRP.Introduce multicast address, IGMP, PIM-DM, PIM-SM,how to flexibly use a variety of tools for route control and selection. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000148+2018.7/about |
| HCIP-R&S-IENP Training V2.0 | This course introduce MPLS, MPLS VPN, DHCP, mirroring, VRRP, and BFD.Describes the basic functions and applications of eSight and Agile Controller.Introduces IP QoS implementation principle and configuration, information security and firewall basic application.Introduce SDN, VXLAN, NFV new technology background and implementation. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000149+2018.7/about |

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| HCIP-R&S-IEEP Training V2.0 | Describe how to plan and design network. Introduce the project implementation process and engineer service specifications. Describe the contents and methods of network routine maintenance, the core ideas and methods of structured network troubleshooting process and troubleshooting. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000150+2018.7/about |
| 10 Minutes Every Day, to Learn eLTE Easily | This course started from the introduction of the development of mobile communication system. It introduces the eLTE architecture and the functions of the network elements in an easy way. This course focus on the basic knowledge of EUTRAN, EPC and eAPP system of eLTE Trunking System. Key Words: eLTE, Trunking, EUTRAN, End-to-End | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000164+2018.7/about |
| Huawei IVS System, Smart Eye, Panoramic View | What is the future of security surveillance in the intelligence era? How should the surveillance technology develop? In Safe Cities, various types of cameras have been deployed in every corner. Do you know how thousands of cameras are managed? Where is the large volume of video data stored? Follow Mr. V and An'an to unveil the Huawei Intelligent Video Surveillance System. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000172+2018.8/about |
| HCIE-R&S Elite Training | Deep explanation of newest LAB mock exam by HCIE instructor Key Words: HCIE; R&S; mock; certification | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000174+2018.8/about |
| HCIA-Storage Training V4.0 | This course will introduce how storage supports the development and application of new IT frontier technologies (such as AI, big data, cloud | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000182+2018.9/about |

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| | computing). | |
| HCIP-Storage-CDPS Training V4.0 | This course will introduce Huawei backup solution and Huawei disaster recovery (DR) solution. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000186+2018.9/about |
| HCIA-Transmission Training V2.0 | The course introduces SDH Principles, MSTP System Overview, MSTP Protection Schemes, Service Configuration of MSTP, Ethernet Principles, Ethernet Service Overview, WDM Principles and OTN Protocols. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000188+2018.10/about |
| HCS-Field-UPS Mock Exam V1.0 | This exam is HCS-Field-UPS Mock Exam V1.0 | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000200+2018.11/about |
| HCIE-EC V1.0 Mock Exam | This exam is HCIE-EC V1.0 mock exam. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000203+2018.11/about |
| Protocol & Principle on Huawei Voice Solution Mock Exam | This is Protocol & Principle on Huawei Voice Solution Mock Exam. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000204+2018.11/about |
| Key Technologies of Data Center SDN: VXLAN | VXLAN is one of the most important protocols in the SDN technology field. This course describes the basic concepts, packet structure, packet forwarding process, and application scenarios of VXLAN. Come and find out! | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000222+2019.1/about |

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| Key Technologies of Data Center SDN: EVPN | This course will further analyze and discuss the principles and business processes of the BGP EVPN protocol. EVPN is a control plane protocol and works with the VXLAN protocol. Therefore, it is recommended that you learn the basic VXLAN knowledge before learning this course. The MOOC Agile Data Center Network Technology Explanation VXLAN is recommended. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000223+2019.1/about |
| Everyone knows IoT | This course introduces IoT from background information to cloud-pipe-device. It covers 60% knowledge involved in IoT certification. This course enables any beginner to master IoT. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000224+2018.12/about |
| 5G Overview – Mobile Communication Evolution | With the technological development, the mobile phones are gradually becoming our inseparable partners. In 4G times, smartphones are becoming more and more popular, and provide more and more services and applications. These 4G network-based services and applications enrich our work and life. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000237+2019.1/about |
| HCIA-Data Center Facility V1.0 | This course mainly introduces Data Center Facility Introduction, Basic Knowledge of Low-voltage Power Distribution Introduction, UPS basic knowledge, Basic Knowledge of Huawei Precision Air Conditioner Introduction, Basic Knowledge of the Monitoring System Introduction and so on. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000238+2019.1/about |
| HCIA-Access Course | This course matches the HCIA-Access V2.0 (Released on August 1, 2018). After learning this course, you will be able to understand the | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000245+2019.1/about |

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| | basic composition and application of the access network, understand Huawei access network devices, understand basic network knowledge. | |
| HCIA-Big Data Course | This course is applicable to HCIA-Big Data(V2.0). It introduces the big data open source technology, the common and important big data component technology principles in the industry, Huawei big data solution and the basic operation and application scenario synthesis of big data components. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000246+2019.1/about |
| HCIP-Security Course | <p>This course is for HCIP-Security V3.0 (released on October 1, 2017), and the course will gradually explain the following points:</p> <p>How to build an enterprise security network architecture through a firewall network security device;</p> <p>Enterprise network content security technologies, such as IPS/IDS, Web security protection, DDoS attack prevention, and basic concepts of cloud security;</p> <p>How to implement enterprise network security stereo defense by building a terminal security system, such as terminal security planning and deployment, and wireless security protection.</p> | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000281+2019.4/about |
| 7-Day Transition IoT | Through online experiments, you can learn about Huawei Internet of Things products and solutions by hand, and quickly build the | https://ilearningx.huawei.com/portal/courses/course- |

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| Training Camp | development capability of the Internet of Things. | v1:HuaweiX+EBGTC00000286+2019.4/about |
| HCIA-AI Course | This course matches the HCIA-AI V1.0(Released on April 4,2019),Through the preparation for HCNA-AI, you will systematically understand and grasp Python programming, essential mathematics knowledge in AI, basic programming methods using TensorFlow (a machine learning and Deep Learning platform framework), pre-knowledge and overview of Deep Learning, overview of Huawei cloud EI. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000296+2019.4/about |
| Product Introduction of FusionStorage 6.3 and 9000 | This course explains the hardware architecture, software architecture, and features of the FusionStorage and OceanStor 9000. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000299+Self-paced/about |
| HCIA-Security Course | This course matches the HCIA-Security V3.0 (Released on August 1, 2018). HCIA-Security certification aims to provide basic configuration and maintenance for information security solutions of small and medium enterprise. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000312+Self-paced/about |
| HCIP-Cloud Service Solutions Architect Course | This course matches the HCIP-Cloud Service Solutions Architect V1.0 (Released on April 1,2019) . HCIP-Cloud Service Solutions Architect V1.0 includes the cloud architecture design basics, in-depth understanding of the public cloud PaaS architecture and practices, cloud middleware service and practice, container, Huawei microservice application platform architecture cloud native | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000324+Self-paced/about |

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| | applications, and Huawei cloud solution selection. | |
| HCIP-Transmission Course | The HCIP-Transmission includes NG WDM and MSTP. NG WDM includes: NG WDM System Hardware, Optical and Electrical Layer Grooming and Equipment CommissioninNew; MSTP includes: Clock Protection,PCM technology,ASON Introduction and Ethernet Service Common Indicator Test. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000334+Self-paced/about |
| HCIA-Cloud Service Course | HCIA-Cloud Service Course(V2.0) firstly introduces Huawei Cloud, then it mainly introduces the computing cloud services, storage cloud services and network cloud services, at last related services are introduced. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000338+Self-paced/about |
| HCIE-Cloud Computing Course | This course is applicable to HCIE-Cloud Computing V2.0 (released on August 1, 2018). And it is a seminal course for Huawei's popular certification HCIE-Cloud Computing V2.0. It covers the demonstration and presentation of the test environment setup process, demonstration and presentation of test operations, and selection of key points and difficult chapters of each HCIE-Cloud Computing V2.0 module. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000383+Self-paced/about |
| HCIE-Routing & Switching Course | As an auxiliary learning video for HCIE-R&S(V3.0) career certification, this course is developed by senior trainers in the industry. This course introduces the protocol principles and configurations involved in the HCIE-R&S certification exam, | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000384+Self-paced/about |

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| | regardless of whether you are improving your technical skills or preparing for certification exams, with the help of this course, you will learn more easily. | |
| HCIA-Routing & Switching Course | This course matches the HCIA-Routing&Switching V2.5 (Released on May 31, 2019). This course is the basic course for Huawei certified Routing & Switching engineers, you will study the following curriculum: network fundamentals, basic connection methods of popular networks, basic network construction, troubleshooting of common network faults, installation and commissioning of Huawei routing and switching devices. | https://ilearningx.huawei.com/courses/course-v1:HuaweiX+EBGTC00000385+Self-paced/about |
| HCIP-AI EI Developer Course | HCIP-AI EI course matches the HCIP-AI EI V1.0 (Released on August) and is based on the HCIA and focus on the three mainstream AI applications: images, voice, natural language processing. For the principle of neural network, the network type and application scenario will be made a deep interpretation, to help students learn to design your own neural network. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000415+Self-paced/about |
| LTE Air Interface | This course describes LTE air interface principles, including the air interface structure and uplink and downlink processes. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000418+Self-paced/about |
| EPC Network Principle | This course introduces the EPC network structure, EPC Network interface and protocol, and EPC Network working procedures. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000419+Self-paced/about |

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| | This course is an invited elective course and is not open to individual trainees. If you have any questions, please contact learning@huawei.com . | |
| HCIA-Cloud Computing Course | This course is for HCIA-Cloud Computing V4.0. Virtualization is an entry-level technology for cloud computing and a very important technology in cloud computing. This course introduces the knowledge of computing, networking, and storage related to virtualization, and introduces the features of virtualization so that everyone can quickly understand the field of cloud computing. | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000420+Self-paced/about |
| HCIA-Routing & Switching | Training and certificating engineers with small and medium-sized enterprise network deployment and O&M capabilities | https://e.huawei.com/en/talent/#/cert/course-details?productId=173&urlForm=4 |
| HCIP-Routing & Switching | Training and certificating senior engineers with independent planning, deployment and operation capabilities of small and medium-sized networks in the data communication field | https://e.huawei.com/en/talent/#/cert/course-details?productId=175&urlForm=4 |
| HCIE-Storage Course | This course matches the HCIE-Storage V2.0. HCIE-Storage certification aims to storage professionals talents with basic knowledge and skills in the storage field, including plan, design and practice capabilities. Passing the HCIE-Storage certification will prove that you have basic knowledge about storage products, you are capable of deployment used in storage solution and you have the ability to plan and design storage solution. | https://ilearningx.huawei.com/courses/course-v1:HuaweiX+EBGTC00000471+Self-paced/about |

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| Huawei Online AIoT Training Camp | <p>This course aims to demonstrate how to use and deconstruct the development process of the integration of AI and IoT based on the vending machine. The experiment involved in this course includes development board project construction, HUAWEI CLOUD data access, intelligent sales forecast, intelligent O&M management, and intelligent site selection. If you have any questions about this course, please feel free to contact learning@huawei.com.</p> | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000488+Self-paced/about |
| HCIA-Intelligent Video Surveillance Course | <p>This course is applicable to HCIA-Intelligent Video Surveillance V1.0 certification, aims to popularize the knowledge of Video Surveillance, help engineers get a comprehensive understanding of Huawei Intelligent Video Surveillance Solution, and train engineers be capable to do technical support and solution implementation.</p> | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000502+Self-paced/about |
| HCIA-5G Course | <p>This course is for HCIA-5G V1. 0. This course introduces the evolution and typical industry applications of 5G, basic concepts of 5G, key technologies used in 5G, and successful cases of combining 5G with typical vertical industries, providing reference and guidance for related personnel to learn 5G knowledge.</p> | https://ilearningx.huawei.com/portal/courses/course-v1:HuaweiX+EBGTC00000410+Self-paced/about |

i-LearningX-MICRO

| Courses | Introduction | Link |
|---|--|---|
| Capacity Expansion of FusionStorage 8.0 | This course describes the capacity expansion process, capacity expansion methods, and precautions of Huawei FusionStorage 8.0 storage. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+EBGTC00000432+microcourse/about?blockID=d30aa637cf994766986bd6af5954656d |
| Maintenance and Troubleshooting of FusionStorage 8.0 | This topic describes the routine maintenance and troubleshooting methods of Huawei FusionStorage 8.0 storage. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+EBGTC00000433+microcourse/about?blockID=3bcaada8670a41a5822451020f364814 |
| eNodeB LTE Product Description | On completion of this program, the participants will be able to: <ul style="list-style-type: none"> •Describe the specifications of HUAWEI wireless products •Describe the installation steps and SOP for HUAWEI wireless products •List the key points of installation quality of HUAWEI wireless products | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF001+microcourse/about |
| MBTS GU Product Description | On completion of this program, the participants will be able to: <ul style="list-style-type: none"> •Describe the specifications of HUAWEI wireless products •Describe the installation steps and SOP for HUAWEI wireless products | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF002+microcourse/about |

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| | <ul style="list-style-type: none"> •List the key points of installation quality of HUAWEI wireless products | |
| DBS3900 Installation | <p>On completion of this program, the participants will be able to:</p> <ul style="list-style-type: none"> •Describe the specifications of HUAWEI wireless products •Describe the installation steps and SOP for HUAWEI wireless products •List the key points of installation quality of HUAWEI wireless products | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF005+microcourse/about |
| GU BTS3900 Installation (S444 site) Capacity Expansion | <p>On completion of this program, the participants will be able to:</p> <ul style="list-style-type: none"> •Describe the specifications of HUAWEI wireless products •Describe the installation steps and SOP for HUAWEI wireless products •List the key points of installation quality of HUAWEI wireless products | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF008+microcourse/about |
| South Africa Digital Delivery Video | This course is aimed to help trainees understand South Africa Digital Delivery Requirement. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF011+microcourse/about |
| eSurvey Operation Guide and Video | This course is aimed to help trainees understand eSurvey tool Operation. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF012+microcourse/about |
| PHU Operation Guide and Video | This course is aimed to help trainees understand PHU Operation. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF015+microcourse/about |

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| Product and Site Solution of T Project | This course is aimed to help trainees understand Product and Site Solution of T Project. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF018+microcourse/about?blockID=ccc761f28eaf4083a35716f210726df4 |
| Physics - Newton's Laws of Motion | This course is a lab demonstration that will introduce learners to Newton's Laws of Motion. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+PHIENAB029+microcourse/about |
| Chemistry - pH of Household Chemicals | This course is a lab demonstration that will introduce learners to the concept of pH scale as well as the pH level of common household chemicals. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+PHIENAB030+microcourse/about |
| Site Adaptation installation English | This course objectives to enhance and strengthen the skill and knowledge in the fields of site adaptation. The course is to make the local partners to be more familiar the basic site adaptation standard. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPLMEN010+microcourse/about |
| EHS English | This course is aimed to help trainees understand EHS Requirement and Operation requirement . | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPLMEN013+microcourse/about |
| IT Tools English | This course is aimed to help trainees understand the usage of Huawei IT tools used in delivery. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPLMEN016+microcourse/about |
| Huawei Campus Tour - DLSU | Sharing for Huawei Campus tour in Collaborative Unvisersities such as University of the Philippines,De La Salle University, Ateneo de Manila University,Technological Institute of the Philippines. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+PHIENAB015+microcourse/about |

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| GTS wireless site 4 hours field work guide | Learn how to efficiently complete hardware installation of wireless sites through process improvement. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE005+microcourse/about?blockID=67f62c62cc5d49619257835c673acc12 |
| Managed Service EHS mangement | Learn about EHS management requirements related to MS projects. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE008+microcourse/about |
| General scenarios Safety of working with electricity | Learn about the live operation knowledge of Huawei projects and improve employees' safety awareness of live operation. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE011+microcourse/about |
| Product and Site Solution of T Project | This course is aimed to help trainees understand Product and Site Solution of T Project. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF018+microcourse/about |
| Physics - Newton's Laws of Motion | This course is a lab demonstration that will introduce learners to Newton's Laws of Motion. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+PHIENAB029+microcourse/about |
| Chemistry - pH of Household Chemicals | This course is a lab demonstration that will introduce learners to the concept of pH scale as well as the pH level of common household chemicals. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+PHIENAB030+microcourse/about?blockID=9f05489ee6904a4081e0291958670b11 |
| Upgrade Process of FusionStorage 8.0 | This course describes the upgrade process, upgrade methods, and troubleshooting methods when upgrading of Huawei FusionStorage 8.0 storage. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+EBGTC00000434+microcourse/about?blockID=28a61e0e290f4f82a74129427859171b |

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| Assembling of usual cables and connectors | <p>On completion of this program, the participants will be able to:</p> <ul style="list-style-type: none"> •Describe the specifications of HUAWEI wireless products •Describe the installation steps and SOP for HUAWEI wireless products •List the key points of installation quality of HUAWEI wireless products | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF003+microcourse/about |
| GU BTS3900 Installation (S222 site) | <p>On completion of this program, the participants will be able to:</p> <ul style="list-style-type: none"> •Describe the specifications of HUAWEI wireless products •Describe the installation steps and SOP for HUAWEI wireless products •List the key points of installation quality of HUAWEI wireless products | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF006+microcourse/about |
| EHS Requirement and Operation Video | This course is aimed to help trainees understand EHS Requirement and Operation requirement. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF009+microcourse/about?blockID=765f5a6cb00c4f44b64d1a94a4f36705 |
| Smart QC& QCAI Offline Review Operation Guide and Video | This course is aimed to help trainees understand Smart QC& QCAI Offline Review Operation. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF013+microcourse/about |

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| Product and Site Solution of M Project | This course is aimed to help trainees understand Product and Site Solution of M Project. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF016+microcourse/about?blockID=55372cb0b5c24355a5a9cf2ef827d2fc |
| M Project Field Work Process Video | On completion of this program, the participants will be able to: •Describe the installation steps and SOP for HUAWEI wireless products •Describe the process for HUAWEI wireless site installation •Implement HUAWEI wireless hardware installation | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF019+microcourse/about?blockID=bf32a1d71bda45139005174db29f53b8 |
| Physics - Are You Speeding? | In this learner we will be introduced to the concepts of speed and velocity. This course also includes a short lab demonstration that illustrates how speed is measured. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+PHIENAB027+microcourse/about?blockID=ab2fedcf1f8a4a95a220e5f4628672b1 |
| Meteorology – Weather | This course is a lab demonstration that will introduce learners to the different factors that affect and influence the weather. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+PHIENAB031+microcourse/about |
| Huawei Subcon Project Management Training | This course is aimed to help trainees understand Project Management especially project integration management. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF021+microcourse/about?blockID=80bf5353ef7344ffa39a0f00caaedf1e |
| Huawei Data Center Facility Talent Development Solution | This microlecture mainly introduces Huawei data center facility talent development solution, and introduces challenges to data center facility lifecycle management. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+EBGTC00000445+microcourse/about |

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| FBB installation English | This course objectives to enhance and strengthen the skill and knowledge in the fields of FBB construction. The course is to make the local partners to be more familiar the basic FBB construction standard . | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPLMEN004+microcourse/about?blockID=c5cc45ec3f5c4b6e86961b064d69a30a |
| Huawei Campus Tour - UP | Sharing for Huawei Campus tour in Collaborative Unvisersities such as University of the Philippines,De La Salle University, Ateneo de Manila University,Technological Institute of the Philippines. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+PHIENAB017+microcourse/about?blockID=c80bccc084594245897d60f67f6942d4 |
| Huawei Campus Tour - ADMU | Sharing for Huawei Campus tour in Collaborative Unvisersities such as University of the Philippines,De La Salle University, Ateneo de Manila University,Technological Institute of the Philippines. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+PHIENAB014+microcourse/about?blockID=e47d9d178d2c421088c3b9f4ef86f638 |
| Material Lifting Solutions | Learn about the hoisting scheme in different scenarios so that the hoisting solution with the highest efficiency and low cost can be applied. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE006+microcourse/about |
| IDC EHS mangement | Learn about EHS management requirements related to onsite operations of IDC projects. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE009+microcourse/about?blockID=e92935be978a4a6385ae0ace77174cde |
| Waterproof Solutions | Learn how to waterproof the connectors of devices such as antennas and RRUs in wireless scenarios. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE013+microcourse/about |

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| ISDP3.0 Opearation | Have a good command of various operations on ISDP Mobile. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE034+microcourse/about?blockID=f393aabf9fee457286772cfd9dad37ed |
| ISDP3.0 Opearation | Have a good command of various operations on ISDP Mobile. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE034+microcourse/about |
| Basic Knowledge of Wireless Product | Understand the main types and parameters of Huawei wireless devices. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE037+microcourse/about |
| TMA Installation | The TMA can be installed independently. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE050+microcourse/about |
| Site Sign and Site Verify Operation | Be able to complete Site Sign and Site Verify on ISDP Mobile. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE053+microcourse/about?blockID=ec73a52a61724758b5f5acf9e52f636b |
| Huawei CampusTour - TIP | Sharing for Huawei Campus tour in Collaborative Unvisersities such as University of the Philippines,De La Salle University, Ateneo de Manila University,Technological Institute of the Philippines. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+PHIENAB016+microcourse/about |
| Network Rollout EHS management | Learn about EHS management requirements related to wireless network deployment onsite. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE007+microcourse/about |

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| General scenarios Safety Awareness | Learn about the general EHS knowledge of Huawei projects and improve employees' security awareness. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE010+microcourse/about?blockID=3955314b247d4b5792bb139bf5c2af75 |
| Introduction of Huawei IT Documentation | This training course covers the introduction of Huawei IT documentation, the methods of how to obtain and use documents, information tools and apps, and the fastest way to get help. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+EBGTC00000390+microcourse/about?blockID=614b18f9d98c492889f72cdedbb4089a |
| AAU Installation | Be able to independently install various types of Huawei AAUs. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE045+microcourse/about |
| WDT (Wireless Deployment Tool) Operation Guide | This course provide operation guide for wireless commissioning in Saudi, 1. WDT Deployment 2. WDT Service Verification | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNE054+microcourse/about |
| Basic Knowledge of Storage | This course focuses on the history of storage and the basic concepts of storage. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+EBGTC00000435+microcourse/about |
| Wireless Hardware Installtion | On completion of this program, the participants will be able to: •Describe the specifications of HUAWEI wireless products •Describe the installation steps and SOP for HUAWEI wireless products •List the key points of installation quality of HUAWEI wireless products | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF004+microcourse/about |

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| GU BTS3900 Installation (S444 site) | <p>On completion of this program, the participants will be able to:</p> <ul style="list-style-type: none"> •Describe the specifications of HUAWEI wireless products •Describe the installation steps and SOP for HUAWEI wireless products •List the key points of installation quality of HUAWEI wireless products | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF007+microcourse/about?blockID=35da72983a8c4d9f8df8aa989180deac |
| WDT Operation Guide and Video | This course is aimed to help trainees understand WDT Operation. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF014+microcourse/about?blockID=651b1f8aee65460f98c6cb6d921b55f1 |
| Product and Site Solution of V Project | This course is aimed to help trainees understand Product and Site Solution of V Project. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF017+microcourse/about |
| 5G Project Field Work Process Video | <p>On completion of this program, the participants will be able to:</p> <ul style="list-style-type: none"> •Describe the installation steps and SOP for HUAWEI wireless products •Describe the process for HUAWEI wireless site installation •Implement HUAWEI wireless hardware installation | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPENNF020+microcourse/about |
| WL installation English | This course objectives to enhance and strengthen the skill and knowledge in the fields of wireless construction. The course is to make the local partners to be more familiar the basic wireless construction standard. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPLMEN002+microcourse/about |

**Professional
Development Drives
Commercial Use of
Safe City**

From the problems encountered by the customers in the Safe city project, we get customer's requirement to talent development. Huawei analyzes the customer demands and puts forward the talent development solution which matches the different scenes. In order to meet the requirements of the customers in the construction stage, Huawei safe city training solution aims at the customer's organizational structure analysis, the training of police personnel and the training of ICT maintenance personnel. For the different training requirement on O&M stage of safe city project, Huawei proposed to assist customers building training centers and training instructors. The course concludes with a case study of talent development solution in the P safe city project, and further illustrates the implementability of Huawei Safe City training solution.

<https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+EBGTC00000496+microcourse/about?blockID=c61444130d6947949a70d237f1749fcd>

**Professional
Development Drives
Commercial Use of
Safe City
Course**

From the problems encountered by the customers in the Safe city project, we get customer's requirement to talent development. Huawei analyzes the customer demands and puts forward the talent development solution which matches the different scenes. In order to meet the requirements of the customers in the construction stage, Huawei safe city training solution aims at the customer's organizational structure analysis, the training of police personnel and the training of ICT maintenance personnel. For the different training requirement on O&M stage of safe city project, Huawei proposed to assist customers building training centers and training instructors. The course concludes with a case study of talent

<https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+EBGTC00000496+microcourse/about>

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| | development solution in the P safe city project, and further illustrates the implementability of Huawei Safe City training solution. | |
| HCIA-Intelligent Computing Course | This course matches the HCIA-Intelligent Computing V1.0 (Released on August 30, 2019). This course introduces brief history and development trend of the computing industry, overview of the computing system architecture, computing platform and common technologies, industry solution cases, providing reference and guidance for related personnel to learn Intelligent Computing. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+EBGTC00000505+microcourse/about |
| Guide to Safe Construction Work Protection of COVID-19 Epidemic Areas | In the severe situation of preventing and controlling the new coronavirus pneumonia, the GTS PMO Project Quality and Field Work Mgmt Dept urgently compiles the Guide to Safe Construction in Epidemic Areas to guide the construction personnel in epidemic areas to scientifically protect themselves, implement safe construction, and reduce the risk of virus infection. | https://ilearningx.huawei.com/portal/micro/course-v1:HuaweiX+ISDPGTSEN001+microcourse/about |

i-LearningX-PROGRAM

| Courses | Introduction | Link |
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| How to become a Huawei certified Routing & Switching Expert | The topic includes series of HUAWEI R&S certification courses, including HCIA, HCIP and HCIE courses, which can help you to pass the certificating exam easier. Target students: Talents who are preparing for the Huawei certificating exams on HCIA, HCIP and HCIE and those who are working as R&S engineers. | https://ilearningx.huawei.com/portal/programs/1eed47d9-1d59-442c-8993-8924a7094f2d/about |
| HCIE-Storage Course | This course introduces HCIE-Storage. | https://ilearningx.huawei.com/portal/programs/56d4426a-6f08-4c88-85d4-fd3457bd2548/about |
| Huawei ICT Competition 2019-2020 Cloud Track | Welcome to join Huawei ICT Competition – Learning Space. The cloud track exam contents include but are not limited to the knowledge of Cloud Computing, Cloud Service, Big Data, Storage, and AI. To help you study better, we prepare this learning space for you to study the knowledge which relates to ICT Competition. Good luck to you! | https://ilearningx.huawei.com/portal/programs/cc473098-075c-4b36-afb0-cb17f598197f/about |
| Saudi Subcontractor training | Saudi Subcontractor training program is mainly designed to let trainees be familiar with the basic knowledge of Wireless and Microwave equipment, hardware installation business processes, hardware installation operation specification and quality standards, | https://ilearningx.huawei.com/portal/programs/65cae8e7-e759-42c5-af01-580f2cab33f6/about |

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| | to achieve the consistency of hardware installation quality and specification. This online training program is mainly to help trainees quickly master the ability to install wireless sites and site delivery process. | |
| Latin America Region Hardware Installation | Hardware installation training program is mainly designed to let trainees be familiar with the basic knowledge of Huawei equipment, hardware installation business processes, hardware installation operation specification and quality standards, to achieve the consistency of hardware installation quality and specification. This online training program is mainly to help trainees quickly master the ability to install Huawei sites and site delivery process. | https://ilearningx.huawei.com/portal/programs/ca80ae6f-a7a2-4c0f-846a-9922c4440739/about |
| Huawei Storage Product O&M Training | This topic contains commonly used log collection methods, high-risk commands and operations, performance tuning, upgrades ways, and troubleshooting methods for Huawei storage products. To help Huawei service engineers and partner engineers quickly grasp the common fault location and problem handling methods of Huawei storage products. Improve the efficiency of problem location and processing through common tools. | https://ilearningx.huawei.com/portal/programs/aebc848b-0d74-42de-8d5f-c59afc121959/about |
| Huawei ICT Competition 2018-2019 – Preliminary Exam of Network Track Learning | Welcome to join Huawei ICT Competition – Preliminary Exam Learning Space. We prepare this learning space for you to study the knowledge which relates to ICT Competition. After you complete all the trainings, you can do a mock test to test yourself. Good luck! Target audience: Huawei ICT Competition Global Candidates. Target | https://ilearningx.huawei.com/portal/programs/8ec08cb2-afda-4056-90b7-938632f2e805/about |

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| Space | students: Huawei ICT Competition Global Candidates | |
| Huawei ICT Competition 2019-2020 Network Track | Welcome to join Huawei ICT Competition – Learning Space. The network track exam contents include but are not limited to the knowledge of Routing & Switching, Security and WLAN. To help you study better, we prepare this learning space for you to study the knowledge which relates to ICT Competition. Good luck to you! | https://ilearningx.huawei.com/portal/programs/94eb2449-a685-49d3-8541-33a5b232b78c/about |
| HCIA-Storage Course | This course will introduce how storage supports the development and application of new IT frontier technologies (such as AI, big data, cloud computing). | https://ilearningx.huawei.com/portal/programs/548c47e3-7f03-48e5-ac8f-ac1a41c8b73c/about |
| HCIP-WLAN Course | This course includes two directions of HCIP-WLAN Course. | https://ilearningx.huawei.com/portal/programs/d4ec683e-58a9-42b0-948f-bf2afee257f6/about |
| HCIA-Security Course | This course matches the HCIA-Security V3.0 (Released on August 1, 2018). HCIA-Security certification aims to provide basic configuration and maintenance for information security solutions of small and medium enterprise. | https://ilearningx.huawei.com/portal/programs/01c2c6bb-7280-4d65-9edb-7ecdb319c8f0/about |
| Huawei ICT Competition ME 2019 | Welcome to join Huawei ICT Competition ME 2019 – Learning Space. We prepare this learning space for you to study the knowledge which relates to ICT Competition. After you complete all | https://ilearningx.huawei.com/portal/programs/47c75bfb-fef8-47df-ae7c-22869c9b4b67/about |

the trainings, you can do a mock test to test yourself. Good luck!

**South Africa
Wireless Hardware
Installation**

Wireless hardware installation training program is mainly designed to let trainees be familiar with the basic knowledge of Wireless equipment, hardware installation business processes, hardware installation operation specification and quality standards, to achieve the consistency of hardware installation quality and specification. This online training program is mainly to help trainees quickly master the ability to install wireless sites and site delivery process.

<https://ilearningx.huawei.com/portal/programs/64af5b46-b719-4ca0-a8ef-62f381dacba0/about>

**Myanmar Rep office
Subcontractor
training course**

This Training material includes the Essential Knowledge of Civil Work Construction, Telecom Equipment Installation which is involved in Wireless, transmission and Power Scenario and also the basic knowledge of EHS & Network Security Requirement, ISDP Version 3.0 , site sign/verify, Acceptance Quality parts. Each training session have the Examination for the understanding of courses. Every trainee need to answer the examination for related courses. This online training program is mainly support to the persons who work onsite to get the good ability for site process.

<https://ilearningx.huawei.com/portal/programs/5be7b1a2-d5fc-4e36-8160-2d159872dce1/about>

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| CEE&Nordic European Region Wireless Hardware Installation | <p>Wireless hardware installation training program is mainly designed to let trainees be familiar with the basic knowledge of Wireless equipment, hardware installation business processes, hardware installation operation specification and quality standards, to achieve the consistency of hardware installation quality and specification. This online training program is mainly to help trainees quickly master the ability to install wireless sites and site delivery process.</p> | https://ilearningx.huawei.com/portal/programs/9855468c-47fa-43fd-8109-ba553ee97f2b/about |
| Huawei ICT Competition 2018- 2019 – Global Final Learning Space | <p>Welcome to join Huawei ICT Competition – Global Final. We prepare this learning space for you to study the knowledge which relates to ICT Competition. After you complete all the trainings, you can do a mock test to test yourself. Good luck!</p> | https://ilearningx.huawei.com/portal/programs/df3800ab-06ea-440e-a7a5-a7fae7cc966b/about |
| Huawei Storage Product PoC Test Suites | <p>This topic covers the basics of PoC testing of Huawei storage products, the use of Vdbench testing tools and script compilation methods, and the commonly used PoC testing methods for Huawei all-flash storage, hybrid flash storage and cloud storage. Help Huawei storage product manager, service manager, and Huawei partner engineers quickly master the PoC test method of Huawei storage products, so that customers can better understand the highlights and advantages of Huawei storage products. Target students: Huawei Storage Product Managers, Huawei Storage Service Managers, Huawei Partner Engineers</p> | https://ilearningx.huawei.com/portal/programs/ce8a06f2-241d-486d-8e3c-ad8a82a7a56e/about |

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| How to become a Huawei certified Storage Expert | <p>The topic includes series of HUAWEI storage products, including the installation and deployment, planning and designing, Key-tech in principles and applications of OceanStor V3/V5、OceanStor Dorado、OceanStor 9000. After learning, you will acquire the knowledge of certification in HCIA-Storage、HCIP-Storage、HCIE-Storage, which will help to pass the certificating examination. Target students: Talents in ICT and those who are willing to study the HUAWEI storage , post sales engineers and the people who are working on storage related jobs.</p> | https://ilearningx.huawei.com/portal/programs/c504b110-3dc0-4474-b2ce-c4c0fddf7018/about |
| Huawei Storage Product Delivery Training | <p>This topic contains the standard delivery process and capacity expansion process of Huawei storage products, the usage methods of tools and software for Huawei storage, the installation and configuration methods of Huawei storage. To help Huawei storage engineers and Huawei partner engineers quickly master the installation and configuration methods of Huawei storage products. Target students: Huawei Storage Service Managers, Huawei Partner Engineers</p> | https://ilearningx.huawei.com/portal/programs/e2a24b5b-5351-4d73-9b04-782a9962835e/about |
| HCIP-Security Course | <p>This course is for HCIP-Security V3.0 (released on October 1, 2017), and the course will gradually explain the following points: How to build an enterprise security network architecture through a firewall network security device; Enterprise network content security technologies, such as IPS/IDS, Web security protection, DDoS attack prevention, and basic concepts of cloud security; How to implement</p> | https://ilearningx.huawei.com/portal/programs/ac43d546-f64b-479c-9769-e52d899d5d9f/about |

enterprise network security stereo defense by building a terminal security system, such as terminal security planning and deployment, and wireless security protection.

**Huawei ICT
Competition 2019-
2020 Innovation
Competition**

Welcome to join Huawei ICT Competition Innovation Competition—Learning Space. The Innovation Competition contents include but are not limited to the knowledge of IoT, AI, Big Data, AIoT. To help you study better, we prepare this learning space for you to study the knowledge which relates to ICT Competition Innovation Competition. Good luck to you!

<https://ilearningx.huawei.com/portal/programs/ea84f3f2-c88d-44ea-b261-d0d50fec046c/about>

i-LearningX-MOOC

| Courses | Introduction | Link |
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| Microwave Skills Training (Saudi) | Include microwave product introduction, microwave installation, ODU/Hybrid coupler/OMT and related cable installation, IDU and related cable installation, Link commissioning. | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENNE056/about |
| Product Introduction of FusionStorage 8.0 | This course introduces the positioning, typical applications, software and hardware architecture, and key technologies of Huawei FusionStorage 8.0 storage. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000429/about |
| Site sign&Site verify | This course includes the following items which is essential to know for Site sign&Site verify Procedure. | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENMD004/about |
| SOP_Common_CIVIL WORK_Concrete Pole site | This course objectives to enhance and strengthen the skill and knowledge in the fields of construction of tower. The course is to make the local partners to be more familiar the basic construction standard. | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENMD007/about |

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| Wireless Installation Examination | <p>On completion of this program, the participants will be able to:</p> <ul style="list-style-type: none"> •Describe the specifications of HUAWEI wireless products •Describe the installation steps and SOP for HUAWEI wireless products •List the key points of installation quality of HUAWEI wireless products •Make all kinds of cables involved in HUAWEI wireless sites •Describe the process for HUAWEI wireless site installation •Implement HUAWEI wireless hardware installation | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENNF022/about |
| SOP_Common_CIVIL WORK_PSTN | <p>This course objectives to enhance and strengthen the skill and knowledge in the fields of construction. The course is to make the local partners to be more familiar the basic construction standard.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENMD012/about |
| HCIA-Intelligent Video Surveillance Course | <p>This course is applicable to HCIA-Intelligent Video Surveillance V1.0 certification, aims to popularize the knowledge of Video Surveillance, help engineers get a comprehensive understanding of Huawei Intelligent Video Surveillance Solution, and train engineers be capable to do technical support and solution implementation.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000502/about |
| ODN/OSP Construction | <p>Aiming at the problem of non-standard construction of FTTx subcontractors on site, this course provides unified and standardized operation guidance and display of major problems to improve the quality of FTTx subcontractors' on-site operations and reduce the number of rework and rectification caused by irregular construction on site.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+CNE050000001748/about |

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| Value-added Features of OceanStor Dorado V6 All-Flash Storage | The content of this course includes the principle overview, application scenarios, and configuration methods of Dorado V6 All-flash Storage's Scale-Up and Scale-Out, SmartDedupe and SmartCompression, and HyperCDP features. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000406/about |
| Atlas 200DK Tutorial (High-Performance Programming) | In this tutorial, we will look at the constraints and suggestions for building high-performance applications on Ascend 310. With the samples, you will be able to build your own high-performance applications in no time. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXA002/about |
| Atlas 200DK Tutorial (Presenter) | Presenter is a Huawei-developed small-sized server application used to display the output results of image processing applications. You can call the APIs provided by Presenter Agent to push media messages to Presenter Server. Presenter Server receives media data from Presenter Agent and displays it on a browser. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXA004/about |
| Atlas 200DK Tutorial (Model Conversion and Operator Development) | The Atlas family covers a range of AI accelerator hardware powered by the Ascend AI processor. Atlas enables image inference with models compatible with the Ascend AI processor. This course provides step-by-step instructions on TensorFlow and Caffe model conversion. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXA006/about |

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| TBE Certification Training Course (Elementary) | The Tensor Boost Engine (TBE) operator development mode is one of the main programming modes of the Ascend processors based on the Da Vinci architecture. The Ascend AI software stack provides the TBE operator development framework for developers to develop custom operators in Python. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXA007/about |
| TBE Certification Training Course (Advanced) | The Tensor Boost Engine (TBE) operator development mode is one of the main programming modes of the Ascend processors based on the Da Vinci architecture. The Ascend AI software stack provides the TBE operator development framework for developers to develop custom operators using Python. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXA008/about |
| RH5885H V3 Server Hardware Multimedia | This course will introduce RH5885H V3 Server hardware installation and component replacement. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000062/about |
| RH2288H V3 Server Hardware Multimedia | This course will introduce the RH2288H V3 Server hardware installation and component replacement. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000065/about |
| PaaS Solution Overview | This course will help you understand the PaaS services provided by HUAWEI CLOUD's intelligent cloud application platform for enterprises, as well as what makes these services competitive. It also presents typical application scenarios and success stories related to HUAWEI CLOUD's PaaS services. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXP001/about |

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| HUAWEI CLOUD Database Services | With the development of cloud computing technologies and user requirements, the cloud databases have become an indispensable product to users because of its high security, availability, and scalability. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXD001/about |
| HUAWEI CLOUD Internet and Media Industry Solution | Videos carry a huge amount of information. In the years to come, it is projected that 80% of all network traffic will come from videos. Needless to say, video services on the cloud are of huge business value. This course will serve as an appetizer before moving on to Internet and Media Industry Solution. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXS005/about |
| HUAWEI CLOUD TCO and Cloud Economics | TCO components and the HUAWEI CLOUD TCO | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPX006/about |
| HUAWEI CLOUD Dedicated Cloud Solution | As the cloud adoption of industry services promotes, the cloudification of core applications becomes the key choice for a successful digitalization of an industry. The Dedicated Cloud solution serves customers in different industries based on its high security-compliant standards and performance. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXS007/about |

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| Huawei SAP on Cloud Solution | Huawei SAP on Cloud solution provides automatic provisioning of IaaS resources and infrastructure management services, including O&M and monitoring for hardware, virtualization, and network. Customers manage the operating system and all SAP applications and databases running on the operating system. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXS001/about |
| HUAWEI CLOUD Partner Solution Training: Business Basis | This course is designed specifically for HCPN Partners and professionals who want to learn about HUAWEI CLOUD. By learning about HUAWEI CLOUD knowledge and best practices, you can better meet customer business challenges in digital transformation and innovation. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPX004/about |
| HUAWEI CLOUD Training for Partners: Products and Services - Business | This course is designed to help HUAWEI CLOUD consulting partners to enhance their understanding of HUAWEI CLOUD services to better serve customers. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPX002/about |
| HCIA-Data Center Facility V1.0 | This course mainly introduces Data Center Facility Introduction, Basic Knowledge of Low-voltage Power Distribution Introduction, UPS basic knowledge, Basic Knowledge of Huawei Precision Air Conditioner Introduction, Basic Knowledge of the Monitoring System Introduction and so on. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000238/about |
| Business-Driven Enterprise ICT | How can we quickly identify customers' requirements and effectively expand our boxes and ICT solutions? This is the skill that each | https://ilearningx.huawei.com/portal/courses/HuaweiX+ENE000000002/about |

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| Solutions | enterprise frontline will need to possess. | |
| OceanStor V5 Series Storage PoC Test Suite | Huawei OceanStor V5 series hybrid flash storage system, the new generation of hybrid flash storage, provides reliable and efficient data services for enterprises. Going through this course, the trainees can quickly acquire the PoC test methods of OceanStor V5, which makes customers better know the highlights and advantages of OceanStor V5. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000259/about |
| Scalable File Service | This course includes introduction to SFS and basic operations. After completing this course, you will be familiar with HUAWEI CLOUD SFS and its application scenarios, key features, and basic operations. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXI010/about |
| Global Warming | Global warming refers to global averages, with the amount of warming varying by region. Since 1979, global average land temperatures have increased about twice as fast as global average ocean temperatures. This is due to the larger heat capacity of the oceans and because oceans lose more heat by evaporation. We learn what causes global warming and how to protect through this lesson. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB002/about |
| Run The World with Bravery | Introduce Huawei Human Resource Management Philosophy. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB005/about |

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| ICT Competition | Video Clips on the Huawei ICT Competition. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB009/about |
| Huawei Campus Recruitment | Sharing for Huawei Campus tour in Collaborative Universities such as University of the Philippines, De La Salle University, Ateneo de Manila University, Technological Institute of the Philippines. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB011/about |
| HUAWEI CLOUD Dedicated Cloud Solution | As the cloud adoption of industry services promotes, the cloudification of core applications becomes the key choice for a successful digitalization of an industry. The Dedicated Cloud solution serves customers in different industries based on its high security-compliant standards and performance. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXS007/about |
| HUAWEI CLOUD Partner Solution Training: Business Basis | This course is designed specifically for HCPN Partners and professionals who want to learn about HUAWEI CLOUD. By learning about HUAWEI CLOUD knowledge and best practices, you can better meet customer business challenges in digital transformation and innovation. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPX004/about |
| HUAWEI CLOUD Training for Partners: Products and Services - Business | This course is designed to help HUAWEI CLOUD consulting partners to enhance their understanding of HUAWEI CLOUD services to better serve customers. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPX002/about |

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| HCIA-Data Center Facility V1.0 | This course mainly introduces Data Center Facility Introduction, Basic Knowledge of Low-voltage Power Distribution Introduction, UPS basic knowledge, Basic Knowledge of Huawei Precision Air Conditioner Introduction, Basic Knowledge of the Monitoring System Introduction and so on. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000238/about |
| Business-Driven Enterprise ICT Solutions | How can we quickly identify customers' requirements and effectively expand our boxes and ICT solutions? This is the skill that each enterprise frontline will need to possess. | https://ilearningx.huawei.com/portal/courses/HuaweiX+ENE000000002/about |
| OceanStor V5 Series Storage PoC Test Suite | Huawei OceanStor V5 series hybrid flash storage system, the new generation of hybrid flash storage, provides reliable and efficient data services for enterprises. Going through this course, the trainees can quickly acquire the PoC test methods of OceanStor V5, which makes customers better know the highlights and advantages of OceanStor V5. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000259/about |
| Scalable File Service | This course includes introduction to SFS and basic operations. After completing this course, you will be familiar with HUAWEI CLOUD SFS and its application scenarios, key features, and basic operations. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXI010/about |

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| Global Warming | <p>Global warming refers to global averages, with the amount of warming varying by region. Since 1979, global average land temperatures have increased about twice as fast as global average ocean temperatures. This is due to the larger heat capacity of the oceans and because oceans lose more heat by evaporation. We learn what causes global warming and how to protect through this lesson.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB002/about |
| Run The World with Bravery | Introduce Huawei Human Resource Management Philosophy. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB005/about |
| ICT Competition | Video Clips on the Huawei ICT Competition. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB009/about |
| Huawei Campus Recruitment | Sharing for Huawei Campus tour in Collaborative Universities such as University of the Philippines, De La Salle University, Ateneo de Manila University, Technological Institute of the Philippines. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB011/about |
| Future Seeds | <p>HUAWEI open its doors to Filipino students for the 2018 Huawei Seeds for the Future Global Corporate Social Responsibility (CSR) Program in Shenzhen, China.</p> <p>The lucky students came from various universities and an award-winning startup in the country.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB013/about |

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| HCIA-AI Course | <p>This course matches the HCIA-AI V1.0(Released on April 4,2019),Through the preparation for HCNA-AI, you will systematically understand and grasp Python programming, essential mathematics knowledge in AI, basic programming methods using TensorFlow (a machine learning and Deep Learning platform framework), pre-knowledge and overview of Deep Learning, overview of Huawei cloud EI.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000296/about |
| Product Introduction of FusionStorage 6.3 and 9000 | <p>This course explains the hardware architecture, software architecture, and features of the FusionStorage and OceanStor 9000.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000299/about |
| Dorado V3 Storage Installation and Configuration | <p>This course introduces the hardware installation method and basic service configuration of the Dorado V3 All-Flash Storage series storage products.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000306/about |
| HCIA-Security Course | <p>This course matches the HCIA-Security V3.0 (Released on August 1, 2018). HCIA-Security certification aims to provide basic configuration and maintenance for information security solutions of small and medium enterprise.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000312/about |

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| Wireless Installation Examination | <p>On completion of this program, the participants will be able to:</p> <ul style="list-style-type: none"> •Describe the specifications of HUAWEI wireless products •Describe the installation steps and SOP for HUAWEI wireless products •List the key points of installation quality of HUAWEI wireless products •Make all kinds of cables involved in HUAWEI wireless sites •Describe the process for HUAWEI wireless site installation •Implement HUAWEI wireless hardware installation | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENNF022/about |
| SOP_Common_CIVIL WORK_PSTN | <p>This course objectives to enhance and strengthen the skill and knowledge in the fields of construction. The course is to make the local partners to be more familiar the basic construction standard.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENMD012/about |
| HCIA-Intelligent Video Surveillance Course | <p>This course is applicable to HCIA-Intelligent Video Surveillance V1.0 certification, aims to popularize the knowledge of Video Surveillance, help engineers get a comprehensive understanding of Huawei Intelligent Video Surveillance Solution, and train engineers be capable to do technical support and solution implementation.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000502/about |
| ODN/OSP Construction | <p>Aiming at the problem of non-standard construction of FTTx subcontractors on site, this course provides unified and standardized operation guidance and display of major problems to improve the quality of FTTx subcontractors' on-site operations and reduce the number of rework and rectification caused by irregular construction on site.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+CNE050000001748/about |

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| Value-added Features of OceanStor Dorado V6 All-Flash Storage | The content of this course includes the principle overview, application scenarios, and configuration methods of Dorado V6 All-flash Storage's Scale-Up and Scale-Out, SmartDedupe and SmartCompression, and HyperCDP features. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000406/about |
| Atlas 200DK Tutorial (High-Performance Programming) | In this tutorial, we will look at the constraints and suggestions for building high-performance applications on Ascend 310. With the samples, you will be able to build your own high-performance applications in no time. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXA002/about |
| Atlas 200DK Tutorial (Presenter) | Presenter is a Huawei-developed small-sized server application used to display the output results of image processing applications. You can call the APIs provided by Presenter Agent to push media messages to Presenter Server. Presenter Server receives media data from Presenter Agent and displays it on a browser. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXA004/about |
| Atlas 200DK Tutorial (Model Conversion and Operator Development) | The Atlas family covers a range of AI accelerator hardware powered by the Ascend AI processor. Atlas enables image inference with models compatible with the Ascend AI processor. This course provides step-by-step instructions on TensorFlow and Caffe model conversion. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXA006/about |

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| TBE Certification Training Course (Elementary) | The Tensor Boost Engine (TBE) operator development mode is one of the main programming modes of the Ascend processors based on the Da Vinci architecture. The Ascend AI software stack provides the TBE operator development framework for developers to develop custom operators in Python. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXA007/about |
| TBE Certification Training Course (Advanced) | The Tensor Boost Engine (TBE) operator development mode is one of the main programming modes of the Ascend processors based on the Da Vinci architecture. The Ascend AI software stack provides the TBE operator development framework for developers to develop custom operators using Python. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXA008/about |
| Everyone Learns IT-SDN Technology | This course introduces the SDN technical knowledge, including SDN technology, Data center core technology network technology. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB024/about |
| HCIE-Cloud Computing Course | This course is applicable to HCIE-Cloud Computing V2.0 (released on August 1, 2018). And it is a seminal course for Huawei's popular certification HCIE-Cloud Computing V2.0. It covers the demonstration and presentation of the test environment setup process, demonstration and presentation of test operations, and selection of key points and difficult chapters of each HCIE-Cloud Computing V2.0 module. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000383/about |

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| HCIE-Routing & Switching Course | As an auxiliary learning video for HCIE-R&S(V3.0) career certification, this course is developed by senior trainers in the industry. This course introduces the protocol principles and configurations involved in the HCIE-R&S certification exam, regardless of whether you are improving your technical skills or preparing for certification exams, with the help of this course, you will learn more easily. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000384/about |
| HUAWEI CLOUD Marketplace Seller Registration Test | Testing sellers' understanding of key knowledge on becoming Marketplace sellers. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPC002/about |
| HUAWEI CLOUD Marketplace Seller Comprehensive Test | Testing Seller's understanding of key knowledges from registration to settlement. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPC004/about |
| CH222 V3 Compute Node Hardware Multimedia | This course introduces the hardware installation and component replacement of the CH222 V3 compute node. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000059/about |
| RH5885 V3 Server Hardware Multimedia | This course will introduce RH5885 V3 Server hardware installation and component replacement. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000061/about |
| Introducing iBMC - the Intelligent | This course will give a brief introduction to the Huawei server intelligent management system, iBMC and advantages and | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000067/about |

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| Management System | operations of iBMC. | |
| HCIA-UC Training V2.8 | HCIA-UC Training V2.8 mainly introduces the basic functions of the devices in the eSpace IPT system, including the U1900, IAD, and IP phones. The content of this course includes, but is not limited to, the introduction of the eSpace IPT solution, the introduction of the eSpace IAD, and the introduction of the eSpace IP phone. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000080/about |
| HCS-Field-Server V2.5 (Huawei Certified Field Specialist -Server) | We will introduce how to connect server to storage network and the routine maintenance, troubleshooting for Servers and so on. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000081/about |
| Huawei Intelligent Video Surveillance System | Huawei Intelligent Video Surveillance System mainly introduces the background and development history of intelligent video surveillance technology, as well as the functions and features of Huawei Intelligent Video Surveillance system architecture and equipment (IPC, VCN, VCM). By incorporating sophisticated intelligent video surveillance principles into a vivid story background, you'll be able to quickly gain knowledge of your monitoring. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000091/about |
| Data Center — New-Generation Cloudified Internet Infrastructure | In this course, the trainer will start with the question "what is data" and introduce the concepts of data and DC, development history, and latest cloud DC development trend. In addition, the trainer will further describe the logical and physical architectures, core technologies, | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000140/about |

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| | and common devices of cloud DCs. | |
| Learning About IoT with Expert | Starting with the development history and definition of the IoT, this course first describes the IoT system architecture and related technologies, and then introduces the application of IoT in our daily life. After learning this course, you will be able to master the IoT. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000141/about |
| HCIP-VC-IHVCP(Introducing Huawei Video Conference H.323 and SIP Protocol) Training | HCIP-VC-IHVCP(Introducing Huawei Video Conference H.323 and SIP Protocol) Training mainly introduces the H.323 protocol system and SIP protocol, which are commonly used in video conferencing. It introduces the method of packet analysis and fault location. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000011/about |
| NE Routers Operation and Maintenance Training | This course mainly introduces NE series routers, Huawei VRP system, IP routing technologies, MPLS VPN technologies, HA technology and IP QoS technology. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000016/about |
| AR G3 Routers Operation and Maintenance Training | This course mainly introduces AR G3 product Introduction Huawei VRP system, LAN technologies, WAN interfaces, PPP/MP principle and configuration, IP routing technologies, HA technology, IP QoS technology and AR G3 security features. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000017/about |
| Only Fusion Can Go Far-Leading You | This course will introduce Huawei Big Data Solution and Application. | https://ilearningx.huawei.com/portal/courses/Huawei |

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| into Big Data | | X+EBGTC00000143/about |
| HCIP-R&S-IENP Training V2.0 | This course introduce MPLS, MPLS VPN, DHCP, mirroring, VRRP, and BFD.Describes the basic functions and applications of eSight and Agile Controller.Introduces IP QoS implementation principle and configuration, information security and firewall basic application.Introduce SDN, VXLAN, NFV new technology background and implementation. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000149/about |
| HCIP-R&S-IEEP Training V2.0 | Describe how to plan and design network.Introduce the project implementation process and engineer service specifications.Describe the contents and methods of network routine maintenance, the core ideas and methods of structured network troubleshooting process and troubleshooting. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000150/about |
| Campus Network Switch (S series) Essential Operation and Maintenance Training | This course mainly introduces about Box Switches (S67/S57/S37/S27) product, Huawei VRP system, LAN technologies, VRRP feature and configuration, HA technology, Box Switches (S67/S57/S37/S27) security feature. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000019/about |
| OceanStor 9000 installation | This course will introduce the preparation for installation and installation process. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000038/about |

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| Huawei IVS System, Smart Eye, Panoramic View | What is the future of security surveillance in the intelligence era? How should the surveillance technology develop? In Safe Cities, various types of cameras have been deployed in every corner. Do you know how thousands of cameras are managed? Where is the large volume of video data stored? Follow Mr. V and An'an to unveil the Huawei Intelligent Video Surveillance System. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000172/about |
| Huawei IVS System, Smart Eye, Panoramic View | What is the future of security surveillance in the intelligence era? How should the surveillance technology develop? In Safe Cities, various types of cameras have been deployed in every corner. Do you know how thousands of cameras are managed? Where is the large volume of video data stored? Follow Mr. V and An'an to unveil the Huawei Intelligent Video Surveillance System. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000172/about |
| HCIA-Transmission Training V2.0 | The course introduces SDH Principles, MSTP System Overview, MSTP Protection Schemes, Service Configuration of MSTP, Ethernet Principles, Ethernet Service Overview, WDM Principles and OTN Protocols. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000188/about |
| HCS-Field-UPS Mock Exam V1.0 | This exam is HCS-Field-UPS Mock Exam V1.0 | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000200/about |
| HCIE-EC V1.0 Mock Exam | This exam is HCIE-EC V1.0 mock exam. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000203/about |

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| HCIE-EC V1.0 Mock Exam | This exam is HCIE-EC V1.0 mock exam. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000203/about |
| Elastic Cloud Server (ECS) Starts Your Cloud Journey | Elastic Cloud Servers (ECSs) help you build secure, flexible, and efficient applications for websites, e-commerce, graphics rendering, data analysis, and high-performance cloud computing. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXI001/about |
| Management and Deployment Services — Cloud Transformation Thruster | This course introduces Management & Deployment services, including Cloud Eye, Cloud Trace Service (CTS), Log Tank Service (LTS), Domain Name Service (DNS), and Simple Message Notification (SMN). | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXP002/about |
| HUAWEI CLOUD EI Experience | HUAWEI CLOUD EI - Empowering Intelligent Transformation | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXE001/about |
| Interpretation of HUAWEI CLOUD Ecosystem Policies in 2019 | This course introduces the HUAWEI CLOUD partner network (HCPN) and partner programs in 2019. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPX001/about |
| Getting to Know HUAWEI CLOUD Security | As IT security events draw media coverage around the world, security concerns are growing. By taking this course, you will gain insight into current security challenges, and security services we offer. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXU001/about |

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| Huawei Cloud Connect: Making Simpler Enterprise Connections | With Cloud Connect (CC), you can quickly build ultra-fast, high-quality, and stable networks between VPCs across regions and between VPCs on the cloud and data centers off the cloud. CC helps you build a global cloud network with enterprise-class scale and communication capabilities. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXI006/about |
| HUAWEI CLOUD Partner Solution Training: Technical Basis (Solution Architecture Design) | This course is intended for HUAWEI CLOUD partners' solution architects (SAs). After completing this course, you will understand the SA role definition, HUAWEI CLOUD's overall architecture and core services, customers' concerns, and HUAWEI CLOUD architecture design principles. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPX005/about |
| Cloud Container Engine (CCE): Making Cloud Environments Easy to Build | Huawei Cloud Container Engine (CCE) is an enterprise-class container cloud that helps enterprises achieve success. Upon completion of this course, you will understand how to use CCE to quickly roll out applications, respond to business changes, and seize opportunities for enterprises. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXI005/about |
| Introduction to Middleware Services | What middleware services does HUAWEI CLOUD provide? What are the top features in the services? When should I use them? This course will answer these questions and more. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXP003/about |
| Exploring HUAWEI CLOUD ServiceSta | Want to know what ServiceStage is, what features it supports, and how to use it? This course will answer your questions. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXP004/about |

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| Elastic Volume Service (EVS): Solid Data Foundation on the Cloud | Upon completion of this course, users will be able to get a systematic understanding of the Elastic Volume Service (EVS), including what EVS is, the relationships between EVS and other services, and how to use EVS disks correctly. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXI004/about |
| Key Technologies of Data Center SDN: EVPN | This course will further analyze and discuss the principles and business processes of the BGP EVPN protocol. EVPN is a control plane protocol and works with the VXLAN protocol. Therefore, it is recommended that you learn the basic VXLAN knowledge before learning this course. The MOOC Agile Data Center Network Technology Explanation VXLAN is recommended. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000223/about |
| HUAWEI CLOUD Gaming and Entertainment Solution | This course introduces HUAWEI CLOUD Gaming and Entertainment Solution in association with the challenges faced by the gaming and entertainment industry, and this solution creates a future-oriented innovative engine for game vendors. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXS006/about |
| HUAWEI CLOUD E-Commerce Solutions | HUAWEI CLOUD E-Commerce Solutions focus on the enterprises' self-hosted platforms and its vertical scenarios. HUAWEI CLOUD cooperates with partners to provide scenario-based solutions for the e-commerce industry. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXS004/about |

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| 5G Overview – Mobile Communication Evolution | With the technological development, the mobile phones are gradually becoming our inseparable partners. In 4G times, smartphones are becoming more and more popular, and provide more and more services and applications. These 4G network-based services and applications enrich our work and life. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000237/about |
| EHS Examination | This course is aimed to help trainees understand EHS Requirement and Operation requirement. | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENNF023/about |
| HCIE-Storage Course | This course matches the HCIE-Storage V2.0. HCIE-Storage certification aims to storage professionals talents with basic knowledge and skills in the storage field, including plan, design and practice capabilities. Passing the HCIE-Storage certification will prove that you have basic knowledge about storage products, you are capable of deployment used in storage solution and you have the ability to plan and design storage solution. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000471/about |
| HMS Core Excellent Courses(Ads Kit,Map Kit,Location Kit) | This course introduces the overall components of the HMS ecosystem and the links between them. It mainly introduces the advantages, usage scenarios, function introduction, demo demonstration and code practice of the three kits: Ads Kit, Map Kit and Location Kit. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBGHWDEEN001/about |

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| HMS Core Excellent Courses(Ads Kit,Map Kit,Location Kit) | This course introduces the overall components of the HMS ecosystem and the links between them. It mainly introduces the advantages, usage scenarios, function introduction, demo demonstration and code practice of the three kits: Ads Kit, Map Kit and Location Kit. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBGHWDEEN001/about |
| Huawei Online AIoT Training Camp | This course aims to demonstrate how to use and deconstruct the development process of the integration of AI and IoT based on the vending machine. The experiment involved in this course includes development board project construction, HUAWEI CLOUD data access, intelligent sales forecast, intelligent O&M management, and intelligent site selection. If you have any questions about this course, please feel free to contact learning@huawei.com . | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000488/about |
| OceanStor Dorado V6 All-Flash Storage PoC Test Suite | This course introduces the PoC test methods of the new generation all-flash storage of Dorado 3000 V6, Dorado 5000 V6, Dorado 6000 V6, Dorado 8000 V6 and Dorado 18000 V6, including data protection features, performance, system reliability and maintainability, and demonstration of HyperMetro active-active features. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000403/about |
| O&M and Upgrade (NDU) of OceanStor Dorado V6 All-Flash Storage | This course mainly introduces the routine device management methods, including security configuration management, alarm management, performance management, system management, and storage space management in the new DeviceManager, and the Fast Non-Disruptive Upgrade (NDU) of Dorado V6. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000407/about |

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| HCIA-5G Course | <p>This course is for HCIA-5G V1. 0. This course introduces the evolution and typical industry applications of 5G, basic concepts of 5G, key technologies used in 5G, and successful cases of combining 5G with typical vertical industries, providing reference and guidance for related personnel to learn 5G knowledge.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000410/about |
| HCIA-Big Data Course | <p>This course is applicable to HCIA-Big Data(V2.0). It introduces the big data open source technology, the common and important big data component technology principles in the industry, Huawei big data solution and the basic operation and application scenario synthesis of big data components.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000246/about |
| Business-Driven Enterprise ICT Construction and Development | <p>As Huawei's business continuously expands, we find many customers mention enterprise ICT or digital transformation when we are communicating with them . Therefore, the Enterprise BG Elite Team unite the IT Elite Team and produce this course. We invites experts from the IT field to give you the positioning and development of enterprise ICT and how to perform business-driven ICT construction.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+ENE000000001/about |
| OceanStor Dorado V3 All-Flash Storage PoC Test Suite | <p>OceanStor Dorado V3 all flash storage array, lightning fast and rock solid , Huawei OceanStor Dorado V3 all flash storage is purpose-built for enterprises' mission-critical business. By studying this course, Huawei engineers and partner engineers can quickly learn the PoC test method of the OceanStor Dorado V3 series solid-state storage</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000258/about |

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| | system to show customers the highlights and advantages of Dorado V3 solid-state storage. | |
| Message & SMS | This course includes introduction to Message&SMS and basic operations. After completing this course, you will be familiar with HUAWEI CLOUD Message&SMS and its application scenarios, key features, and basic operations. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXL001/about |
| HCIP-Security Course | After completing this course, you will be able to provide an in-depth understanding of Huawei's network perimeter security, Huawei's terminal security technologies, and Huawei application security technologies. You will be familiar with and master the advanced functions and deployment scenarios of Huawei firewalls. Master the deployment and maintenance of the Agile Controller-Campus. Understand wireless network security and mobile office solutions, enable students to have the ability to implement and maintain network application security solutions for large and medium-sized enterprises, and understand the basic concepts of big data and cloud computing security. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000281/about |
| OceanStor Dorado V3 All-Flash Storage PoC Test Suite | OceanStor Dorado V3 all flash storage array, lightning fast and rock solid , Huawei OceanStor Dorado V3 all flash storage is purpose-built for enterprises' mission-critical business. By studying this course, Huawei engineers and partner engineers can quic | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000258/about |

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| Message & SMS | <p>This course includes introduction to Message&SMS and basic operations. After completing this course, you will be familiar with HUAWEI CLOUD Message&SMS and its application scenarios, key features, and basic operations.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXL001/about |
| HCIP-Security Course | <p>After completing this course, you will be able to provide an in-depth understanding of Huawei's network perimeter security, Huawei's terminal security technologies, and Huawei application security technologies. You will be familiar with and master the advanced functions and deployment scenarios of Huawei firewalls. Master the deployment and maintenance of the Agile Controller-Campus. Understand wireless network security and mobile office solutions, enable students to have the ability to implement and maintain network application security solutions for large and medium-sized enterprises, and understand the basic concepts of big data and cloud computing security.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000281/about |
| Food Chain | <p>In the food chain, energy is transferred from one living organism through another in the form of food. There are primary producers, primary consumers, secondary consumers and decomposers- all part of the food chain.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB001/about |
| Huawei CSR Presentations | <p>Introduction on the various CSR Programs implemented by Huawei in the Philippines.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB008/about |

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| Highlights Huawei at Bulsu | <p>Huawei forged the partnership through a Memorandum of Agreement (MOA) with BulSU to bring its ICT Academy. Huawei will equip the university's teachers through a "train the trainers" stage leading to the implementation of the Certification Program of the ICT Academy. The Huawei ICT Academy now has four academic institutions accredited, such as the University of Southeastern University (USEP), Davao City; Mindanao State University-Iligan Institute of Technology (MSU-IIT), Iligan City (both in Mindanao); De La Salle University (DLSU), Science Campus, Manila; and, the latest, BulSU.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB012/about |
| 7-Day Transition IoT Training Camp | <p>Through online experiments, you can learn about Huawei Internet of Things products and solutions by hand, and quickly build the development capability of the Internet of Things.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000286/about |
| Product Introduction of OceanStor V5 Series Storage | <p>This course introduces the Huawei OceanStor V5 series product. You can learn about Comparison Between OceanStor V5 and V3 Storage Systems through the course.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000298/about |
| Capacity Expansion Training of Enterprise Storage | <p>Huawei enterprise storage provides online capacity expansion to support online expansion of storage systems without interruption. The storage system can be expanded in the following ways: Add hard disks Add disk enclosures Add controller enclosures Add number of links</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000304/about |

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| Introduction to Tools and Software for Huawei Storage | This course contains the following sessions: 1. Introduction to OceanStor UltraPath 2. Introduction to OceanStor SystemReporter 3. Introduction to OceanStor SmartKit 4. Introduction to eService | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000305/about |
| OceanStor V5 Storage Installation and Configuration | This course introduces the hardware installation method and basic service configuration of the V5 series storage products. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000308/about |
| HCIP-Cloud Service Solutions Architect Course | This course matches the HCIP-Cloud Service Solutions Architect V1.0 (Released on April 1,2019) . HCIP-Cloud Service Solutions Architect V1.0 includes the cloud architecture design basics, in-depth understanding of the public cloud PaaS architecture and practices, cloud middleware service and practice, container, Huawei microservice application platform architecture cloud native applications, and Huawei cloud solution selection. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000324/about |
| EHS management_Network Rollout Scenarios | By studying this course, you can have a basic knowledge of EHS Principle of Network Rollout Scenarios. | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISPDENNE001/about |
| FusionAccess 6.5 PoC Test Suite | This course includes the FusionAccess installation and deployment, software, peripheral, and terminal compatibility tests, desktop management, platform management and O&M, and platform security and reliability demonstration. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000355/about |

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| Everyone Learns IT-Cloud Service Pre-sale | This course introduces the digital business innovation, including Cloud Computing Introduction, Big Data Basis, The Basic Knowledge and Informatization Trend of Government, Education and Medical Industry, Cloud service solutions. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB022/about |
| Everyone Learns IT-NFV Technology | This course introduces the NFV technical knowledge, including NFV Basis, NFV Network Desigh, OpenStack Introduction, Vmware Basis, Back-end development language basis. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB025/about |
| HCIA-Routing & Switching Course | This course matches the HCIA-Routing&Switching V2.5 (Released on May 31, 2019). This course is the basic course for Huawei certified Routing & Switching engineers, you will study the following curriculum: network fundamentals, basic connection methods of popular networks, basic network construction, troubleshooting of common network faults, installation and commissioning of Huawei routing and switching devices. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000385/about |
| FusionCloud Desktop (Standard) V100R005C20 Software Installation | This course describes the FusionAccess, functions of each component, how to install these components, how to create VM users, VM templates, and how to initialize configurations. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000054/about |

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| HCIE-R&S e-Learning Course V1.1 | As an auxiliary learning video for HCIE-R&S career certification, this course is developed by senior trainers in the industry. This course introduces the protocol principles and configurations involved in the HCIE-R&S certification exam, regardless of whether you are improving your technical skills or preparing for certification exams, these courses will help you feel more relaxed on the road to learning. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000058/about |
| CH242 V3 Compute Node Hardware Multimedia | This course introduces hardware installation and component replacement of CH242 V3 compute nodes. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000060/about |
| HCIP-UC Training V2.9 | HCIP-UC Training V2.9 mainly describes the devices involved in the eSpace UC solution. It describes the common networking and advanced features of the eSpace UC. The content of this course includes, but is not limited to, the eSpace UC solution networking, the ECS basic services, and the eSpace IPT reliability networking. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000079/about |
| HCIP-WLAN-POEW Training | This course detail introducing the types of WLAN network deployment, data design, equipment & antenna selection, parameters calculation, site survey and so on. It is designed to give WLAN engineer an idea of how to design and optimize a WLAN network, not only for indoor settled, indoor distributed but also for outdoor WLAN networks. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000083/about |
| HCIP-Storage-CCSN | This course will introduce storage product hardware software | https://ilearningx.huawei.com/portal/courses/Huawei |

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| V4.0 | features and storage system typical applications also will be included in this course. | X+EBGTC00000116/about |
| OpenStack-based Huawei FusionSphere Solution | This course will introduce the functions of the OpenStack, architecture, development process. | https://learningx.huawei.com/portal/courses/HuaweiX+EBGTC00000094/about |
| IT WIZ TALK | This course introduces Huawei FusionInsight LibrA, Huawei KunLun SAP HANA Appliance Solution, and Medium and Algorithms of Huawei's ES3000 SSD. | https://learningx.huawei.com/portal/courses/HuaweiX+EBGTC00000097/about |
| [Oceanstor Talks]Huawei OceanStor Dorado V3 Key Technology Introduction | This course introduces Chipset Design Technologies of Huawei OceanStor Dorado V3;SSD Design of Huawei OceanStor Dorado V3; Huawei OceanStor Dorado V3 RAID-TP Technology; Reliability Design of Huawei OceanStor Dorado V3; Huawei's 3 to 1 Data; Reduction Guarantee Made on its OceanStor Dorado V3 Storage; How Huawei OceanStor Dorado V3 Achieves 0.5ms Latency, etc. | https://learningx.huawei.com/portal/courses/HuaweiX+EBGTC00000131/about |
| HyperMetro-based Active-Active DR Solution | Introduce general disaster recovery technologies, solutions, and the advantages and disadvantages of each disaster recovery solution;Describe the architecture and functions of HyperMetro-based Active-Active Data Center Solution;Introduce success stories of HyperMetro-based Active-Active Data Center Solution. | https://learningx.huawei.com/portal/courses/HuaweiX+EBGTC00000102/about |

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| E9000 Server Elementary Training- Deployment and Management Training | <p>This course describes the E9000 server deployment management, focusing on the E9000 converged architecture blade.</p> <p>https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000136/about</p> |
| Cloud Service De- mystified | <p>Cloud, popular and trendy notwithstanding, still poses a mystery to lots of IT people. To de-mystify cloud computing and cloud service, this MooC course starts with the recent history of IT and pain point analysis of the industry. It then illustrates the features and value of cloud technology, followed by the introduction of a dozen typical Huawei Cloud service products. The course concludes with the information of Huawei cloud service training and certification.</p> <p>https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000139/about</p> |
| Enterprise LAN Technology Training | <p>The course will firstly introduce Ethernet overview,the working principle of Ethernet network devices and Ethernet ports technologies .And then the VLAN basic principle and configuration and VLAN advanced features and configuration will be introduced. After that,the course will introduce GVRP protocol principle and Ethernet link aggregation. Finally, we will introduce STP principle and configuration, RSTP Principle and Configuration and MSTP Principle and Configuration.</p> <p>https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000013/about</p> |

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| Next-Generation Cyber Security | <p>In this course, the trainer will start with the question "what is cyber security" and introduce the common network threats, helping you to understand the in-depth defense systems that safeguard information security and form the basis of cyber security. Then, using these systems as a base, the trainer will go into greater detail about the two core elements of cyber security: network border security and application security.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000142/about |
| E9000 Server Elementary Training- Deployment and Management Training | <p>This course describes the E9000 server deployment management, focusing on the E9000 converged architecture blade.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000136/about |
| Cloud Service De- mystified | <p>Cloud, popular and trendy notwithstanding, still poses a mystery to lots of IT people. To de-mystify cloud computing and cloud service, this MooC course starts with the recent history of IT and pain point analysis of the industry. It then illustrates the features and value of cloud technology, followed by the introduction of a dozen typical Huawei Cloud service products. The course concludes with the information of Huawei cloud service training and certification.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000139/about |

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| Enterprise LAN Technology Training | <p>The course will firstly introduce Ethernet overview,the working principle of Ethernet network devices and Ethernet ports technologies .And then the VLAN basic principle and configuration and VLAN advanced features and configuration will be introduced.</p> <p>After that,the course will introduce GVRP protocol principle and Ethernet link aggregation. Finally, we will introduce STP principle and configuration, RSTP Principle and Configuration and MSTP Principle and Configuration.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000013/about |
| Next-Generation Cyber Security | <p>In this course, the trainer will start with the question "what is cyber security" and introduce the common network threats, helping you to understand the in-depth defense systems that safeguard information security and form the basis of cyber security. Then, using these systems as a base, the trainer will go into greater detail about the two core elements of cyber security: network border security and application security.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000142/about |
| HCIP-R&S-IERS Training V2.0 | <p>This course introduce the working principle of OSPF, ISIS and BGP, and corresponding configuration and implementation on the VRP.Introduce multicast address, IGMP, PIM-DM, PIM-SM,how to flexibly use a variety of tools for route control and selection.</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000148/about |
| HCIA-VC Career Certification Training V2.5 | <p>HCIA-VC Career Certification Training V2.5 mainly introduces the functions and operations of devices (terminal, MCU, SMC, RSE) in Huawei videoconferencing system, the deployment plan of video</p> | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000040/about |

system, and H.323 protocol system.

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| HCIE-R&S Elite Training | After the class, you will be able to : Deep understand HCIE-R&S LAB Exam | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000174/about |
| Network Service: Virtual Private Cloud (VPC) | This course introduces HUAWEI CLOUD Virtual Private Cloud (VPC). With VPC, you can configure IP address ranges, subnets, and security groups, assign EIPs, and allocate bandwidth. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXI003/about |
| Getting to Know HUAWEI CLOUD | Everyone's talking about cloud computing, but do you understand how it really works? Maybe you want to use HUAWEI CLOUD services but don't know where to start. This course will discuss the various services on HUAWEI CLOUD and help you start your cloud journey. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXX002/about |
| Content Delivery Network (CDN): Fast and Stable Content Delivery Network | This course summarizes CDN pre-sales marketing and demonstrates basic operations. After completing this course, you will be familiar with HUAWEI CLOUD CDN and its common problems and basic operations. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXN001/about |
| HUAWEI CLOUD Pricing Overview | Pricing principles and modes of HUAWEI CLOUD, and pricing of typical cloud services. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPX009/about |

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| Key Technologies of Data Center SDN: VXLAN | VXLAN is one of the most important protocols in the SDN technology field. This course describes the basic concepts, packet structure, packet forwarding process, and application scenarios of VXLAN. Come and find out! | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000222/about |
| Cloud Migration | What is cloud migration? What processes and responsibilities does Huawei's cloud migration solution entail? What are the common cloud migration tools and how can I use them? Take this course to learn more. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXG001/about |
| Blockchain Service | Blockchain Service (BCS) is a highly available and secure blockchain platform allowing enterprises and developers to conveniently create, deploy, and manage applications with the superb performance and cost-effectiveness of HUAWEI CLOUD. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXP006/about |
| HUAWEI CLOUD Security Architecture | This course introduces the HUAWEI CLOUD security system, security policies, and industry security certifications. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXX003/about |
| Key Technologies of Data Center SDN: VXLAN | VXLAN is one of the most important protocols in the SDN technology field. This course describes the basic concepts, packet structure, packet forwarding process, and application scenarios of VXLAN. Come and find out! | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000222/about |
| HUAWEI CLOUD Training for Partners: | This course is designed to help HUAWEI CLOUD technology partners to enhance their understanding of HUAWEI CLOUD | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPX003/about |

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| Products and Services - Technical | services to better serve customers. | |
| Everyone knows IoT | This course introduces IoT from background information to cloud-pipe-device. It covers 60% knowledge involved in IoT certification. This course enables any beginner to master IoT. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000224/about |
| HCIA-Access Course | This course matches the HCIA-Access V2.0 (Released on August 1, 2018). After learning this course, you will be able to understand the basic composition and application of the access network, understand Huawei access network devices, understand basic network knowledge. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000245/about |
| HUAWEI CLOUD Auto Scaling | This course introduces the Auto Scaling (AS) service and provides demos for basic operations. While studying this course, you will learn about AS concepts, application scenarios, main features, and basic operations. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXI007/about |
| NAT Gateway | This course provides general information about the NAT Gateway service and shows basic operations. After learning this course, you will be able to understand the concept, application scenarios, key features, and basic operations of HUAWEI CLOUD NAT Gateway. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXI011/about |
| Welcome to Huawei Philippines | Introduce who is Huawei and what we have done in Philippines. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB003/about |

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| Time Management | Discussion on how we can practice Time Management. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB006/about |
| Bare Metal Server | This course introduces Bare Metal Server (BMS) and provides demos for basic operations. By taking this course, you will learn about BMS and its application scenarios, main features, and basic operations. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENXI012/about |
| Product Introduction of OceanStor Dorado V3 | This course introduces the Huawei Ocean Stor Dorado V3 series product. You can learn about differences between OceanStor Dorado V3 V300R002 and OceanStor F V5 through the course. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000297/about |
| Standard Delivery Process of Huawei Enterprise Storage | The course content includes standard process for delivery, how to use tools for requirements assessment, how to use LLDesigner and networking tools to complete delivery design, how to configure host connectivity, how to configure typical scenarios such as VMware, NAS, Oracle database, and how to use it. Tool for delivery acceptance. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000303/about |
| Dorado V3 Storage Value-added Feature Delivery | OceanStor Dorado V3 series provide a wide range of all-flash storage products that speed up digital transformation for critical business across different industries, scales, and scenarios. Going through this course, the trainees can quickly acquire the delivery methods of OceanStor V5, including the basic configurations, data protection features and system enhancement features. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000307/about |

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| Basic O&M Training of Enterprise Storage | 1. Master log collection methods of Huawei storage; 2. Master the use of CLIDK and learn how to script the CLI; 3. Familiar with common fault location and processing methods of Huawei enterprise storage | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000310/about |
| Everyone Learns 5G | Quickly understand the 5G origin, industry progress, network challenges, network transformation, and application scenarios, and consolidate basic 5G knowledge. | https://ilearningx.huawei.com/portal/courses/HuaweiX+PHIENAB026/about |
| HUAWEI CLOUD Marketplace Seller Operation Test | Testing Seller's understanding of key knowledges on product delivery, product management, transaction and settlement. | https://ilearningx.huawei.com/portal/courses/HuaweiX+CBUENPC003/about |
| Wireless Skills Training (Saudi) | Basic knowledge of Huawei Wireless product Introduction and Installation | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENNE055/about |
| HCIP-AI EI Developer Course | HCIP-AI EI course matches the HCIP-AI EI V1.0 (Released on August) and is based on the HCIA and focus on the three mainstream AI applications: images, voice, natural language processing. For the principle of neural network, the network type and application scenario will be made a deep interpretation, to help students learn to design your own neural network. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000415/about |

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| Value-added Feature Delivery of FusionStorage 8.0 | This course describes the concepts and principles of the SmartDedupe&SmartCompression, HyperSnap and HyperClone, HyperMetro, HyperReplication, SmartQoS, EC and Data Copy features of Huawei FusionStorage 8.0 storage, as well as application scenarios and configuration methods. | https://ilearningx.huawei.com/portal/courses/HuaweiX+EBGTC00000431/about |
| SOP_Common_FTTH Hardware Installation | This course covers things that are important to know for Standard Operating Procedures for FTTH Project, specifically material standards, installation standards, and risk management. | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENMD003/about |
| ISDP Mobile3.0 Operation | This course is aimed to understand the APP ISDP Mobile 3.0 operation on phone. Provide the operation guide for the Case study. | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENMD009/about |
| Huawei Smart Tools Examination | This course is aimed to help trainees understand huawei Smart tools. | https://ilearningx.huawei.com/portal/courses/HuaweiX+ISDPENNF024/about |

CSP-required Certificate Online Courses Overview

| CSP Domain | Product | Course Name | Level | Link | Format |
|-----------------------|--------------|--|-----------|----------------------|---------------------|
| Data Communication | R&S | HCIA-Routing & Switching Training V2.5 | HCIA | Link | Video+Doc+Mock Exam |
| | | HCIP-Routing & Switching Training V2.5 | HCIP | Link | Doc+Mock Exam |
| | | HCIE-Routing & Switching Training V3.0 | HCIE | Link | Doc+Mock Exam |
| | | HCIE-Routing & Switching Interview Training V1.0 | HCIE | Link | Video+Doc |
| | | HCS-Field-R&S Training | HCS-field | Link | Doc+Mock Exam |
| | Security | HCIA-Security Certification Training V3.0 | HCIA | Link | Doc+Mock Exam |
| | | HCIP-Security Training V3.0 | HCIP | Link | Doc+Mock Exam |
| | Wlan | HCIA-WLAN Training V2.0 | HCIA | Link | Video+Doc+Mock Exam |
| | | HCIP-WLAN Training V1.0 | HCIP | Link | Video+Doc |
| Transmission & Access | Transmission | HCIA-Transmission Training V2.0 | HCIA | Link | Video+Doc+Mock Exam |

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|---------------------------------|--------|--|-----------|----------------------|---------------------|
| | | HCIP-Transmission Training V2.0 | HCIP | Link | Video+Doc+Mock Exam |
| | Access | HCIA-Access Training V2.0 | HCIA | Link | Doc+Mock Exam |
| | | HCIP-Access Training V2.0 | HCIP | Link | Doc+Mock Exam |
| Network Energy | DCF | HCIA-Data Center Facility Training V1.0 | HCIA | Link | Doc+Mock Exam |
| | | HCIP-Data Center Facility Deployment Training V1.0 | HCIP | Link | Doc+Mock Exam |
| | UPS | HCS-Field-UPS Training | HCS-field | Link | Doc+Mock Exam |
| Enterprise Cloud Communications | UC | HCIA-Unified Communication Training V2.8 | HCIA | Link | Doc+Mock Exam |
| | | HCIP-Unified Communication Training V2.9 | HCIP | Link | Video+Doc+Mock Exam |
| | VC | HCIA-Video Conference Training V2.8 | HCIA | Link | Video+Doc+Mock Exam |
| | | HCIP-Video Conference Training V2.0 | HCIP | Link | Video+Doc+Mock Exam |
| | EC | HCIE-Enterprise Communication Training V1.0 | HCIE | Link | Doc+Mock Exam |
| | IVS | HCIA-Intelligent Video Surveillance Training V1.0 | HCIA | Link | Doc+Mock Exam |

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|---------------|-----------------|--|-----------|----------------------|---------------------|
| | | HCS-Field-IVS Training V2.0 | HCS-field | Link | Doc+Mock Exam |
| Enterprise IT | Storage | HCIA-Storage Training V4.0 | HCIA | Link | Video+Doc+Mock Exam |
| | | HCIP-Storage Training V4.0 | HCIP | Link | Video+Doc+Mock Exam |
| | | HCIE-Storage Training V2.0 | HCIE | Link | Doc+Mock Exam |
| | Cloud Computing | HCIA-Cloud Computing Training V4.0 | HCIA | Link | Video+Doc+Mock Exam |
| | | HCIP-Cloud Computing-OpenStack Training V1.0 | HCIP | Link | Doc+Mock Exam |
| | | HCIP-Cloud Computing-Container Training V1.0 | HCIP | Link | Doc+Mock Exam |
| | | HCIP-Cloud Computing Training V4.0 | HCIP | Link | Doc+Mock Exam |
| | | HCIE-Cloud Computing Training V2.0 | HCIE | Link | Video+Doc+Mock Exam |
| | DC | HCIA-Data Center Training V1.5 | HCIA | Link | Doc+Mock Exam |
| | | HCIP-Data Center Training V1.0 | HCIP | Link | Doc+Mock Exam |
| | | HCIE-Data Center Training V2.0 | HCIE | Link | Doc+Mock Exam |
| | Server | HCIA-Intelligent Computing Training V1.0 | HCIA | Link | Doc+Mock Exam |

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| | | HCIP-Intelligent Computing Training V1.0 | HCIP | Link | Doc+Mock Exam |
| | | HCS-Field-Server V2.5 | HCS-field | Link | Video+Doc+Mock Exam |
| HCS-Pre-sales Service Solution | | HCS Pre-sales-Service Solution | HCS-field | Link | Video+Doc+Mock Exam |
| Cyber Security | | Cyber Security Guide for Huawei Channel Partners | HCS-field | Link | Doc |
| Service Specification | | Service Quality Alignment Training | HCS-field | Link | Doc+Exam |
| More online courses, go to Huawei Partner Univerity/Service Elite College: URL | | | | | |

Microsoft

Online Learning Materials for Students

| Courses | Introduction | Link |
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| Minecraft: Education Edition | A collaborative game-based learning platform that engages K-12 learners in STEM and computer science, Minecraft: Education Edition helps students build 21st century skills like creativity, problem solving, and computational thinking. And with features like Immersive Reader built into Microsoft technology, educators can truly give each student an opportunity to participate. | https://education.minecraft.net/ |
| Microsoft MakeCode | MakeCode is a new approach to computing education that combines the magic of making with the power of code, in a way that engages students of all backgrounds in computational thinking through creative, hands-on experiences. MakeCode supports physical computing with products like the micro:bit, robotics with LEGO® MINDSTORMS®, and game development with MakeCode Arcade. | https://www.microsoft.com/en-us/makecode |

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| Hacking STEM | By bringing inquiry and project-based activities and lessons to life, the Hacking STEM program provides low-cost, interactive STEM lesson plans for elementary and middle school students. The lessons enable students to solve real-world problems, be curious, and creative while collecting and analyzing real-time data through the integration with data streamer in Excel. | https://www.microsoft.com/en-us/education/education-workshop/default.aspx |
| Azure for Students | With Azure for Students, eligible students aged 18 and over can start building apps, explore AI, and make the most of big data with access to more than 25 free Azure services plus \$100 in Azure credit, renewable annually without the need for a credit card. | https://azure.microsoft.com/en-us/free/students/ https://azure.microsoft.com/en-us/free/students/starter/ |
| AI Business School | The Microsoft AI Business School is a series of learning paths for nontechnical audiences that share insights and practical guidance from top executives in the industry on how to strategically apply AI in an organization. Course materials include written case studies and guides, plus videos of lectures, perspectives, and talks that students can access as a complementary part of their course. The AI Business School is a great resource for students to learn about applying AI to industry, along with considerations for sales, marketing, culture, and responsible AI application across industries like manufacturing, healthcare, finance, | https://www.microsoft.com/en-us/ai/ai-business-school?rtc=1 |

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| | government, retail, and education. | |
| GitHub | <p>GitHub Education helps students, teachers, and schools access the tools and events they need to shape the next generation of software development. With programs such as the GitHub Student Developer Pack, GitHub Campus Program, GitHub Classroom, and other resources, students and educators can take advantage of solutions that will meet their needs.</p> | https://education.github.com/ |
| Microsoft Imagine Academy | <p>Microsoft Imagine Academy (MSIA) provides students and educators with industry-aligned curriculum and certifications to build competencies and validate skills for high-demand technologies. Students gain valuable skills for college and careers that will help them succeed in a tech-driven economy. Microsoft Imagine Academy offers educator guides, lesson plans, and student materials all contained in an easy-to-access OneNote pack. MSIA is available through Microsoft's academic volume licensing.</p> | https://www.microsoft.com/en-us/education/imagine-academy |

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| LinkedIn Learning | <p>LinkedIn Learning is an online learning platform that combines the industry-leading content from Lynda.com with LinkedIn's professional data and network. With over 14,000 courses taught by industry experts, LinkedIn Learning provides online training to supplement an institution's existing curriculum and help create more career-ready students across multiple different disciplines. Leveraging the LinkedIn platform in such a way also helps students build their online resume and provides added interest for students looking to institutions who are innovating with new learning modalities.</p> | https://www.linkedin.com/learning |
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Online Learning Materials for Institutions

| Courses | Introduction | Link |
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| Microsoft Educator Center | Through the Microsoft Educator Center (MEC), educators can access learning paths and online modules to learn about the latest technologies and their application in learning environments. The MEC also provides knowledge checks to showcase proficiency in skills from teaching with technology to 21st century learning design. From learning about Teams, OneNote, Office 365, AI and more, the MEC is a helpful guide for educators to skill up and incorporate new ideas into classroom curriculum. | https://www.education.microsoft.com/en-us |
| Microsoft Imagine Academy | Microsoft Imagine Academy (MSIA) provides students and educators with industry-aligned curriculum and certifications to build competencies and validate skills for high-demand technologies. Microsoft Imagine Academy offers educator guides, lesson plans, and student materials all contained in an easy-to-access OneNote pack. The curriculum also helps educators skill up on teaching new technologies, like Cloud, Data, and AI, in addition to Microsoft's Office 365 suite. Much of the curriculum has also been mapped to some of the most popular education standards to help educators easily understand applicability | https://www.microsoft.com/en-us/education/imagine-academy |

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| | and inclusion into their existing coursework. MSIA is available through Microsoft's academic volume licensing. | |
| Azure Dev Tools for Teaching | Azure Dev Tools for Teaching is a subscription-based program which provides access to tools commonly used in STEM programs, including professional developer and designer tools available to both faculty members and students. In addition to these tools, users also have access to beta releases, new releases, and technical support. Azure Dev Tools for Teaching is available to institutions via volume license agreements or directly online. | https://azure.microsoft.com/en-us/education/institutions/ |
| LinkedIn Learning | LinkedIn Learning is an online learning platform that combines the industry-leading content from Lynda.com with LinkedIn's professional data and network. With over 14,000 courses taught by industry experts, LinkedIn Learning provides online training to supplement an institution's existing curriculum and help create more career-ready students across multiple different disciplines. LinkedIn Learning may also be a key element for a school or campus | https://www.linkedin.com/learning |

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| | <p>professional development initiative providing both technical and non-technical course subjects and titles for learners across the teaching and administrative staff.</p> | |
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