ASA

Accredited Sustainability Advisor

UPTIME INSTITUTE

uptime® EDUCATION

Accredited Sustainability Advisor (ASA)

Amid the growing global focus on digital infrastructure sustainability requirements, now is the time to become an Accredited Sustainability Advisor (ASA).

Course Overview

As the effects of climate change on health, safety and global economies continue to grow more severe, the environmental sustainability of data center operations has become a major concern for investor, customer, regulatory, legislative, and environmental stakeholders.

Digital infrastructure owners and operators are feeling the pressure as more than seventy countries have established commitments to achieve net-zero Greenhouse Gas (GHG) by 2050 and new regulations emerge to join the 1900 pieces of climate change and sustainability legislation already enacted in the past decade. There has never been a more critical time to learn about this new and growing area of digital infrastructure expertise.

Why the Accredited Sustainability Advisor (ASA)?
Get ahead of the pack. Today's global economy requires deep expertise and skill in digital infrastructure sustainability, and demand will only continue to grow. The ASA course delivers the fundamental knowledge of sustainability concepts, industry trends, and regulations, as well as the

practical skills you need to develop and implement a comprehensive world-class data center sustainability program.

The benefits of earning the ASA credential include;
▶ Learn how to actively reduce your organization's carbon emissions with advanced sustainability practices that reduce IT and data center facility energy use
▶ Develop an effective data center sustainability strategy with a thorough understanding of concepts and actions required
▶ Move sustainability initiatives forward within your organization

Key topics covered include:
▶ Sustainability policy and management
▶ Regulatory requirements
▶ Facility siting, design, and certification
▶ Facility energy consumption and efficiency
▶ Circular economy, recycle and reuse
▶ IT Energy consumption and efficiency
▶ Renewable energy purchasing and consumption
▶ Greenhouse Gas (GHG) emissions
▶ Water consumption and efficiency
▶ Information reporting

Course Duration

The course is 16 hours, live remote Instructor-led, of intensive instruction and hands-on exercises. The curriculum covers the fundamentals and practical knowledge of sustainability concepts, industry trends, and regulations to enable development of a comprehensive world-class data center sustainability program and culminates in an examination.

Course Objectives

The ASA course is designed to help students achieve an understanding of the concepts and actions required for designing and implementing an effective data center sustainability program. Graduates will learn the skills needed to evolve sustainability practices to reduce carbon emissions by reducing energy usage of IT and data center facilities - the leading cause of Greenhouse Gas (GHG) emissions.

Learner Profile

The ASA course is intended for data center sustainability executives, IT and facility engineers responsible for sustainability and others interested in understanding what constitutes a data center sustainability strategy. Individuals who will benefit from the ASA course are:
▶ Data Center Sustainability Executives
▶ Facility Managers
▶ IT and Facility Engineers
▶ Industry Analysts

Pre-requisites

A minimum of 24 months of experience in data center operations, critical facility design, or energy management is recommended.

Certification

Successful completion of the ASA course, demonstrated through examination at the end of the course, will result in an Uptime Institute endorsement of the individual as an Accredited Sustainability Advisor.

Costs & Credits

Professional course cost is US$4,985 per participant. This course is CPD accredited and may also qualify for your country's Professional Development Hours (PDHs) requirements (may not be applicable in all countries).

Accredited Sustainability Advisor (ASA) Topics

Sustainability Policy and Management
▶ The Seven Elements of a Sustainability Strategy
▶ Regulation and Standards

Regulatory Requirements
▶ Measurements and Reporting
▶ Enforcement and Financial Disclosures

Facility Siting, Design & Certification
▶ Efficiency Requirements
▶ Sustainability Design Decisions

Facility Energy Consumption & Efficiency
▶ Energy Management Program Planning
▶ Data Collection and Measurement

IT Energy Consumption & Efficiency
▶ Operational Metrics
▶ Power Management Approaches

Renewable Energy Purchasing & Consumption
▶ Green Energy Procurement Options
▶ Renewable Energy Constraints

Greenhouse Gas (GHG) Emissions
▶ Greenhouse Gas Sources and Scopes
▶ Emissions Reduction Challenges

Water Consumption & Efficiency
▶ Design Impacts on Optimization
▶ Availability and Minimization

Circular Economy, Recycle & Reuse
▶ End-of-life Product Disposal
▶ IT Product and Energy Reuse

Information Reporting
▶ Performance and Accomplishments Areas
▶ Internal and External Communication Types

Sustainability Strategy in the Organization
▶ Guiding Principles
▶ Business Commitment and Payback