The following curated list of books, articles and videos is the prior knowledge of the standard curriculum topics the Fellows should have before participating. It covers the essential information with which the World Nuclear University candidates should familiarise themselves, to actively participate and contribute to the programme.

World Nuclear University has made this list freely available so that professionals in the nuclear area, and interested members of the public, may make use of the references and find value in it as a source of information and inspiration. No prior understanding of any aspect of the nuclear area is necessary to use this resource.

The curated reference list is revised every year to keep up with changes in the industry, and is streamlined to provide the most important and core information in a concise and accessible manner.

With the aim of continuous improvement, we gladly accept suggestions regarding the content of this list. If you have any suggestions for us, please email us at wnu@world-nuclear-university.org

World Nuclear University Summer Institute Curriculum
Clickable Links:

Foundation Knowledge
Global Energy Setting
Nuclear Industry
International Regimes, Safety, Security and Safeguards
Leadership, project management, and knowledge management
Networking and communications
Networks for Nuclear Innovation - Magazines
Foundation Knowledge

WNU - What is the WNU Summer Institute
World Nuclear Association - Nuclear Essentials
World Nuclear Association - Information Library
World Nuclear Association – What Will Power Our Electric Future?
World Nuclear Association - Reactor Database
World Nuclear Association – Nuclear in the 21st Century Quiz
WNU – Nuclear in the 21st Century
WNU – Nuclear English
IAEA - Country Nuclear Profiles
IAEA – Basics of Radiation
UNSCEAR – Radiation: Effects and Sources
E-learning - Nuclear Reactor - Understanding how it works | Physics ELearning
IAEA – The Future of Fusion Energy
IAEA – Measuring Radiation
Global Energy Setting

UN - [Framework Convention on Climate Change](#)

IAEA - [Milestones Approach to Introducing a Nuclear Power Programme](#)

MIT - [The Future of Nuclear Energy in a Carbon-Constrained World](#)

World Nuclear Association – [The Silent Giant](#)

IAEA – [The Road to a Carbon Free Future](#)
Nuclear Industry

IAEA – The Nuclear Fuel Cycle

Cameco - Cameco’s Key Lake - Virtual Tour

OECD/NEA - Uranium mining - Environmental and health impacts

URENCO - URENCO Experience

Westinghouse Nuclear – An Inside Look: Westinghouse Columbia Fuel Fabrication Facility

World Nuclear Association - Performance Report

World Nuclear Association - Nuclear Power Economics and Project Structuring

IAEA - Safety of Nuclear Power Plants: Design

IAEA - Radioactive Waste - The Journey to Disposal

IAEA - Spent fuel and Radioactive Waste Management, Decommissioning and Environmental Remediation

IAEA - Final Report on Fourth Review of Fukushima Decommissioning

TEPCO – NPP Decommissioning

World Nuclear Association - Methodology to Manage Material and Waste from Nuclear Decommissioning

Distinctive Voices – Alan Walter: The Future of Nuclear Technology ... After Fukushima

OECD/NEA – IEA/NEA Technology Roadmap - Nuclear Energy
International Regimes, Safety, Security and Safeguards

CNSC - Nuclear Power Plant Safety Systems

NEA – Legal Frameworks for Long-Term Operation of Nuclear Power Reactors

WANO - Traits of a Healthy Nuclear Safety Culture

CNSC - Radiation and Health: Go beyond the tiny world of the atom!

NEA - The Safety Culture of an Effective Nuclear Regulatory Body (2016)

IAEA - Radiation Protection and Safety of Radiation Sources - International Basic Safety Standards

IAEA - Regulations for the Safe Transport of Radioactive Material (2012)

IAEA - The Safe and Secure Transport of Radioactive Material


IAEA - Security certificate courses

IAEA – Basics of IAEA Safeguards
Leadership, project management, and knowledge management

Daniel Goleman – Crucial Competence: Emotional and Social Intelligence in Leadership
Harvard Business Review - How You Make Decisions is as Important as What You Decide
Roselinde Torres - What it takes to be a great leader
University of Kent/UK - Leadership
Jason Clarke - Embracing Change
Seth Godin - The difference between Leadership and Management
Simon Sinek - How great leaders inspire action
Daniel Goleman - Focus - The Secret to High Performance and Fulfilment
Sheryl Sandberg - Why we have too few women leaders
Mike Vaughan - How to Ask Better Questions
Simon Sinek - Things I wish I knew when I was younger
World Economic Forum - Davos 2019 - Meet the Leader with Alibaba Executive Chairman Jack Ma
KMT - Knowledge Management in 5 minutes or less
Project Management - What is Project Management?
Networking and communications

Mark E. Sackett - The art of active networking

IAEA – Nuclear Communicator’s toolbox

David JP Philips – The 110 techniques of public speaking

Nat Kendall-Taylor - How words change minds: The science of storytelling

The Guardian – A guide to asking good questions

Nathan Gold – Powerful Presentations: Top Mistakes