

DOMAIN	SUBDOMAINS	SKILLS NEEDED		APPLICATION
<b>BATTERY TECHNOLOGY</b>	<ul style="list-style-type: none"> <li>Battery Chemistries</li> <li>Battery Manufacturing</li> <li>Battery Management Systems (BMS)</li> <li>Battery Recycling &amp; Re-use</li> </ul>	<ul style="list-style-type: none"> <li>Electrochemistry</li> <li>Materials Science</li> <li>Chemical Engineering</li> <li>Laboratory Research</li> <li>Data Analysis</li> </ul>		<ul style="list-style-type: none"> <li>Electric Vehicles (EVs)</li> <li>Portable Electronics</li> <li>Grid Storage</li> <li>Renewable Energy Integration</li> </ul>
<b>RENEWABLE ENERGY TECHNOLOGIES</b>	<ul style="list-style-type: none"> <li>Solar Technology</li> <li>Wind Energy</li> <li>Hydropower</li> <li>Geothermal Energy</li> <li>Bioenergy</li> </ul>	<ul style="list-style-type: none"> <li>Electrical Engineering</li> <li>Mechanical Engineering</li> <li>Aerodynamics</li> <li>Geographic Information Systems (GIS)</li> </ul>	<ul style="list-style-type: none"> <li>Civil Engineering</li> <li>Materials Science</li> <li>Hydrology</li> <li>Environmental Science</li> <li>Artificial Intelligence (AI) &amp; Machine Learning</li> </ul>	<ul style="list-style-type: none"> <li>Power Generation: Residential &amp; Commercial</li> <li>Heating and cooling</li> <li>Commercial &amp; Industrial Processes</li> <li>Agricultural &amp; Aquaculture Applications</li> <li>Smart Grid Technology</li> <li>Transportation Efficiency</li> <li>Sustainable Manufacturing</li> </ul>
<b>ENERGY STORAGE SYSTEMS (ESS)</b>	<ul style="list-style-type: none"> <li>Grid Storage</li> <li>Distributed Storage</li> <li>Innovative Storage Solutions</li> </ul>	<ul style="list-style-type: none"> <li>Electrochemistry</li> <li>Materials Science</li> <li>Electrical Engineering</li> <li>Power Systems</li> <li>Battery Management Systems</li> <li>Renewable Energy Integration</li> </ul>		<ul style="list-style-type: none"> <li>Grid Stability &amp; Backup Power</li> <li>Renewable Energy Integration</li> <li>Backup power</li> <li>Peak Load Management</li> <li>Residential &amp; Commercial Applications</li> <li>Emergency &amp; Disaster Response</li> <li>Utility-Scale Applications</li> </ul>
<b>SMART GRID TECHNOLOGY</b>	<ul style="list-style-type: none"> <li>Smart Meters &amp; Sensors</li> <li>Grid Automation</li> <li>Demand Response</li> <li>Cybersecurity</li> </ul>	<ul style="list-style-type: none"> <li>IoT (Internet of Things)</li> <li>Sensor Technology</li> <li>Data Analytics</li> <li>Network Engineering</li> <li>Cybersecurity Protocols</li> <li>Machine Learning &amp; Artificial intelligence (AI)</li> </ul>	<ul style="list-style-type: none"> <li>Network Security</li> <li>Software Development</li> <li>Automation Engineering</li> <li>Control Systems</li> <li>SCADA Systems</li> <li>Consumer Behavior Analysis</li> <li>Risk Analysis</li> <li>Algorithm Development</li> </ul>	<ul style="list-style-type: none"> <li>Battery Chemistries</li> <li>Circuit Design</li> <li>Data Analysis and Algorithm Development</li> <li>Software Programming (e.g. Python)</li> </ul>
<b>ENERGY EFFICIENCY</b>	<ul style="list-style-type: none"> <li>Building Energy Efficiency</li> <li>Industrial Energy Efficiency</li> <li>Transportation Efficiency</li> <li>Appliance and Equipment Efficiency</li> </ul>	<ul style="list-style-type: none"> <li>Process Optimization</li> <li>Energy Management Systems</li> <li>Mechanical Engineering</li> <li>Industrial Engineering</li> <li>Automation</li> <li>Automotive Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Product design</li> <li>Energy Performance Testing</li> <li>Regulatory Compliance</li> <li>Electrical Engineering</li> <li>Fuel Technologies</li> <li>Public Transportation Planning</li> </ul>	<ul style="list-style-type: none"> <li>Reducing Energy Consumption</li> <li>Lowering Carbon Footprint</li> <li>Cost Savings</li> </ul>
<b>SUSTAINABLE MANUFACTURING</b>	<ul style="list-style-type: none"> <li>Green Manufacturing Processes</li> <li>Life Cycle Assessment (LCA)</li> <li>Circular Economy</li> <li>Eco-friendly Materials</li> </ul>	<ul style="list-style-type: none"> <li>Sustainable Design,</li> <li>Environmental Engineering</li> <li>Process Engineering</li> <li>Waste Reduction</li> <li>Lean Manufacturing</li> <li>Environmental Science</li> <li>Data Analysis</li> <li>Sustainability Metrics</li> <li>Product Lifecycle Analysis</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Ecology</li> <li>Resource Management</li> <li>Product Design for recyclability</li> <li>Business Strategy</li> <li>Materials Science</li> <li>Chemical Engineering</li> <li>Sustainability</li> <li>Material Development</li> </ul>	<ul style="list-style-type: none"> <li>Energy Efficiency</li> <li>Waste Reduction &amp; Management</li> <li>Biodegradable and Renewable Materials</li> <li>Sustainable Product Design</li> <li>Water Conservation</li> <li>Pollution Control</li> <li>Renewable Energy Integration</li> <li>Circular Economy Practices</li> <li>Sustainability Reporting &amp; Certifications</li> </ul>
<b>HYDROGEN &amp; FUEL CELL TECHNOLOGY</b>	<ul style="list-style-type: none"> <li>Hydrogen Production</li> <li>Hydrogen Production &amp; Distribution</li> <li>Fuel Cells</li> </ul>	<ul style="list-style-type: none"> <li>Chemical Engineering</li> <li>Process Engineering</li> <li>Electrochemistry</li> <li>Mechanical Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Materials Science</li> <li>Safety Engineering</li> <li>Performance Testing</li> <li>Logistics</li> <li>Renewable Energy Integration</li> </ul>	<ul style="list-style-type: none"> <li>Transportation: Fuel Cell Electric Vehicles (FCEVs), Hydrogen Powered Aviation, Marine Transport</li> <li>Power Generation</li> <li>Industrial Applications</li> <li>Residential &amp; Commercial Heating</li> <li>Energy Storage Distribution</li> <li>Environmental &amp; Sustainability Applications</li> </ul>
<b>ENVIRONMENTAL IMPACT &amp; POLICY</b>	<ul style="list-style-type: none"> <li>Environmental Impact Assessment (EIA)</li> <li>Energy Policy &amp; Regulation</li> <li>Sustainability Reporting</li> <li>Climate Change Mitigation</li> </ul>	<ul style="list-style-type: none"> <li>Environmental Science</li> <li>Impact Modeling</li> <li>Regulatory Knowledge</li> <li>Stakeholder Engagement</li> <li>Policy Analysis</li> <li>Economics Law</li> <li>Carbon Management</li> </ul>	<ul style="list-style-type: none"> <li>Public Administration</li> <li>Sustainability Planning</li> <li>Data Analysis</li> <li>Reporting standards (e.g., GRI, SASB),</li> <li>Corporate Sustainability</li> <li>Climate Science</li> <li>Policy Development</li> </ul>	<ul style="list-style-type: none"> <li>Guiding Sustainable Development</li> <li>Shaping Energy Markets</li> <li>Promoting Environmental Stewardship</li> <li>Climate Change Mitigation</li> <li>Natural Resource Management</li> <li>Pollution Control &amp; Waste Management</li> <li>Environmental Education &amp; Awareness</li> </ul>