ONLINE ACADEMIC PROGRAMS FOR RENEWABLE ENERGY

Its time has come.

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About Me

Started the formal “Training Program” at the NC Solar Center.

Moved to Zanzibar, Tanzania. Launched a DE graduate certificate program in renewable energy with NCSU.

In 2015, while teaching undergrad special courses, I co-wrote a white paper with CNR to offer graduate credit program in renewable energy.
Graduate Certificate in Renewable Energy Assessment and Development
Let’s take a look at some of the trends...
# Fastest Growing Occupations

**Chart 1. Ten fastest growing occupations, projected 2018-28**

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Percent change, projected 2018-28</th>
<th>Employment change, projected 2018-28 (in thousands)</th>
<th>Median annual wages, May 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar photovoltaic installers</td>
<td>63.3%</td>
<td>6.1</td>
<td>$42,680</td>
</tr>
<tr>
<td>Wind turbine service technicians</td>
<td>56.9%</td>
<td>3.8</td>
<td>$54,370</td>
</tr>
<tr>
<td>Home health aides</td>
<td>36.6%</td>
<td>304.8</td>
<td>$24,200</td>
</tr>
<tr>
<td>Personal care aides</td>
<td>36.4%</td>
<td>881.0</td>
<td>$24,020</td>
</tr>
<tr>
<td>Occupational therapy assistants</td>
<td>33.1%</td>
<td>14.5</td>
<td>$60,220</td>
</tr>
<tr>
<td>Information security analysts</td>
<td>31.6%</td>
<td>35.5</td>
<td>$98,350</td>
</tr>
<tr>
<td>Physician assistants</td>
<td>31.1%</td>
<td>37.0</td>
<td>$108,610</td>
</tr>
<tr>
<td>Statisticians</td>
<td>30.7%</td>
<td>13.6</td>
<td>$87,780</td>
</tr>
<tr>
<td>Nurse practitioners</td>
<td>28.2%</td>
<td>53.3</td>
<td>$107,030</td>
</tr>
<tr>
<td>Speech-language pathologists</td>
<td>27.3%</td>
<td>41.9</td>
<td>$77,510</td>
</tr>
</tbody>
</table>

A Desired Industry

47% of **Power Sector** professionals would consider a move to **renewables** in the next three years.

Source: Global Energy Talent Index 2019
Profile of the Renewable Energy Worker: Before

Environmental. Technical. Hands-on. Entrepreneurial. We got down and dirty.


Southern Energy Management’s Founders, Bob and Maria Kingery.

Weeklong PV workshop in 2004 with most tinkerers and entrepreneurs.
How did Industry Meet the Skills Needed

Solar Training Network

Building a Strong Solar Workforce

Vocational Schools and Continuing Education Providers
Profile of the Renewable Energy Worker Today

Image source: SPI 2019

Lawyer
Data Analyst
Writer
Banker
Accountant
How do we meet the new need for Training?

Does this workshop go towards a degree?
It’s time for:

Online Short Programs

Academic credit

Renewable Energy Topics