

5 7 \ 9 '9 bj ]f cba YbHJ'8 ]j ]g]cb'!'7 UfYYf'DUbY

<ck'gl'ci'X'k'Y'Ya'd\Ug]n'Y'ci'f'XYg]f'Y'fc'V'Y'j'b'h'U'i'Y'bj]f'c'ba'Y'b'U'g'Y'W'f'h'f'ci'[ \ h'Y'c'V'U'dd']W'h]c'b3

RDS: Use your cover letter to express your interest.

8cYg'nci'f'fc'Y'bj'c`j'Y'U`ch'c'Z'f'U'j'Y'j'b[ 3

RDS: Absolutely. Meeting face to face with clients and prospects is the absolute best way to interact in the consulting world. Attending conferences is a way to build your contact network.

<ck'X]X'h'Y'd'U'b'X'Ya'j'W'W'U'b[ 'Y'nci'f'f'm'd]W'U'X'U'h'8'5'b'X' \ ck'X]X'nci'W'c'd'Y'k]h'h'Y' W'U'b[ 'Y'g3

RDS: I have an office that I rarely visit except during off hours to pick up mail, etc. I work remotely from home. Frankly, I hate it...ZOOM, e-mail, etc are not the best mode to interact with your clients and prospects.

SMT: It changed it significantly. My entire day is a “zoom day”. Interactions with friends, students and colleagues are all web-based. I miss talking to students and visiting my lab. I had to embrace the changes as they were but have maintained close connections to friends, family and students. Talking about how the pandemic changed our lives and how we were all affected by it helped me cope.

5f'Y'h'Y'f'Y'U'b'm'g'h'U'f'h'i'd'g'i[ [ 'Y'g'h]c'b'g'Z'c'a'nci' [ i'ng'h'U'h'k'Y'W'e'i'X'di''i'd'Z'c'a'h]g' Z'Y'X3

RDS: Be prepared for a fair amount of administrative work. For example, your accountant, grant administrator, etc. will need a lot of info. You'll be doing your own invoicing, procurement of supplies, etc. I was naïve when I started my business in the context of not estimating the level of effort running a business takes.

SMT: Yes, many. See this interesting list below. You will note that many startups are oriented towards the environment.

<https://welpmagazine.com/15-chemical-engineering-startups-positioned-to-make-it-big-in-20212/>

=U'a'f'Y'U'm]b'h'f'Y'g'h'Y'j'b'k'c'f\_]b[ 'j'b'h'Y'9'D5'U'b'X'=k'U'g'k'c'b'X'Y'f]b[ \ ck'8'f''F'i]n' `Y'U'f'b'Y'X'U'V'c'i'h'c'd'd'c'f'h'i'b]h]Y'g'U'h'h'Y'9'D5'U'b'X'\ ck'\ Y [ c'h'g'h'U'f'h'Y'X3

GR-M: Thanks for your interest in working with us and protecting our environment and human health. I learned about EPA opportunities by networking and meeting a former EPA employee who is a current leader of our AIChE Environmental Division. I started as a Postdoctoral research fellow. A year after, a federal position was open, I applied and got the job. My recommendation is to look into research opportunities like internships for

students @ [orise.orau.gov/epa/current-research-opportunities.html](http://orise.orau.gov/epa/current-research-opportunities.html)) and Recent Graduate/Pathways @ [www.usajobs.gov](http://www.usajobs.gov) opportunities and when inside do networking, learn their current needs and demonstrate that you're the best candidate they can find for it.

**5 bmgj [ [ Ygh]cb'Zcf'UZfghmYUF'D\ 8'ghi XYbhk\ c'k ]g\ Yg hc'c]b'9 D5'UZhf  
[ fUXi U]cb3**

GR-M: My recommendation is to apply and get a student research experience with the EPA. Some opportunities are summer internships for graduate students @ [orise.orau.gov/epa/current-research-opportunities.html](http://orise.orau.gov/epa/current-research-opportunities.html)) and Recent Graduate/Pathways @ [www.usajobs.gov](http://www.usajobs.gov) m

**K \ Uhk ci `X'mci `gUhiUFY[ ccX'a UghYfg'dfc[ fUa g'fYUhiX'hc`h Y'Ybj ]fcba YbHU  
Z'YX3**

SMT: Please see these lists:

<https://www.masterstudies.com/Masters-Degree/Environmental-Studies/>

<https://www.mastersprograms.com/rankings/best-masters-environmental-science/>

Note that you can always pursue a MS degree in chemical engineering with a faculty advisor who's research has an environmental focus. Identifying those faculty members will require some (online) work.

RDS: There is no easy answer here: you have to search out the universities, departments and especially the professors that offer courses and conduct research in the area that is your passion. As we discussed, the curriculum can be in Chem E, Civil Engineering or Environmental Engineering

**5 bmifYwca a YbXUhcbg'Zcf'gca YcbY'k\ c'UfYUXm\ Ug'U`cVzVi h]g`cc\_]b[ `hc'gh`  
[ Yh]bj c`j YX`b`Ybj ]fcba YbHU`k cf\_`cb`h Yg]XY3**

RDS: Volunteer with AIChE and take on assignments within the Environmental Division. You will learn from others and develop a resume that shows activity in the field. Take some courses or attend some webinars in the field in your spare time. You'll get to know people this way as well as be able to build your environmental credentials.

**K \ Uh]g'a cfY\ YdZ `Zcf'Z'Yg\ [ fUXi Uhi`W Ya ]WU`Yb[ ]bYYfg hc`Vi ]X'h Yf  
dfcZ'gg]cbU`Ybj ]fcba YbhWUfYYf3`g`hVYhYf`hc` \ Uj Y gca Y`YI dYf]YbW`]b  
]bXi gh]Yg`h UhiUZZYWh`h Y'Ybj ]fcba Ybhcf`hc`ghUfhX]fYWh]b`h Y'Ybj ]fcba YbhZ'YX3**

RDS: It really depends on what you want to do. For example, do you want to learn say all about refining processes and how to help an operating company minimize its footprint? Or, do you want to work for a firm that services all types of industries and government agencies? There you will have a variety of projects impacting these various businesses.

**K ci `X'mci `Wcbg]XYf`fYgYUfW `UbX`]bhYfbg\ ]dg'cZYei U j Ui Y'hc`Ub`i bXYf[ fUXi Uhi  
gh XYb18**

SMT: Yes, I would.

KMY: Both offer you additional learning experiences and if you can acquire a skill or have a final product (technical paper or report) from these experiences, then they will help in advancement of your career.

**: cf`h Ydfc[ fUa a ]b[ `UfYUg`cZ9BJžk ]``h YfYVY`Ugc`Uf`gYW]cb3**

RDS: Most likely no. We are largely media organized and apply the requisite skills to the operating sector.

GR-M: Not for this year, but a solar session related to the area 09H: Energy & Climate Change can be proposed and offered for 2022 meetings. Please join us and ask to be part of our programming needs.

**Cb`]bY'5 bgk YfYX'E i Ygh]cbg. `d`YUgY'j ]Yk `h Y'fYw`fX]b[  
K \ UhXc`nci ``\_]YUVci hnci f`ZYX#bXi glfm8**

This question has been answered live

**K \ UhUXj ]W`k ci `X`nci `[ ]j Y`lc`ghi XYb]g`]b`9bj ]fcba YbHJ 9b[ ]bYYf]b[ `CF`Ubm  
ghi XYbhUgd]f]b[ `lc`[ c`]b`h Y9bj ]fcba YbHJ`bXi glfm8**

This question has been answered live

**K \ UhUXj ]W`Xc`nci ` Uj Y`Z`f`fYw]bh[ fUXi UhYg`k ]h ci h]bhYfbg[ ]d#W!cd  
Yl dYf]YbW3 `5 bmgdYw]Z]WUXj ]W`UVci hfYbYk UV`Y#gi ghU]bUV`Y YbYf[ mik ci `X`VY  
[ fYUhmUddfYw]UhYX"**

This question has been answered live

**8 i Y`lc`ck `VfcUX`W Ya ]WU`Yb[ ]bYYf]b[ `]gZ\ ck `k YfY`nci `gi fY`h Y`Ybj ]fcba YbHJ  
gYw`cf`k Ug`f][ `hZ`f`nci 3`8]X`nci `fmc]h Yf`]bXi gh]Yg`\_]Y`Z`cXZc`]UbX`[ Ug3`K \ Uh  
k ci `X`nci `UXj ]W`U`Z]fghmYUf`W Ya ]WU`Yb[ ]bYYf]b[ ghi XYbhk`c`]g`]bhYfYghYX`]b  
Ybj ]fcba YbHJ`gYw`cf`Vi hUgc`k Ub]g`lc`fmc]h Yf`]bXi gh]Yg3  
H ]g`ei Ygh]cb` Ug`VYYb`Ubgk YfYX``]j Y**

This question has been answered live

**K ci `X`nci `UXj ]W`W Ya ]WU`U`Yb[ ]bYYf]b[ `a U`cf`k`c`k Ub]g`lc`di fgi Y`UWUfYf`]b  
h Y`Ybj ]fcba YbHJ`gYw`cf`lc`a ]bcf`]b`Ybj ]fcba YbHJ`gW]YbW3**

This question has been answered live

**5 g`Ughi XYbh]b`UW ffYbhVUW Y`cf]g`dfc[ fUa "k ci `X`\_]Y`lc`fYgYUfW`]b`h Y  
Ybj ]fcba YbHJ`ZY]X`Z`f`a mia UghYf]g`XY[ fYY"7 ci `X`nci `U`hY`U`]hY`V]hcZ]h Y  
dfcW]gg`cZW ccg]b[ `nci f`[ fUXi UhYw`Y[ Y3`5bX\ ck`h Y[ fUXi UhY`gW`cc`  
dfcW]gg`k`cf\_g3**

This question has been answered live

**7 Ub`nci `k`cf`\_]b`h Y`w`bgi `h]b[ `ZYX`k ]h ci h\ Uj ]b[ `UD\ 83**

This question has been answered live

**5 g`UW Ya ]WU`Yb[ ]bYYf]b[ `i bXYf[ fUXZ\ ck `k`cf`h`]h]g`]hlc`[ YhUa UghYf]g#D\ 83  
K ci `X`]hVY`UXj ]gUV`Y`lc`[ YhU[ fUXi UhY`XY[ fYY`]b`Ybj ]fcba YbHJ`Yb[ ]bYYf]b[  
]bghYUX`cZW Ya ]WU`Yb[ ]bYYf]b[ `]Zk Yf]Y`XYUX!gYhcb`Xc]b[ `Ybj ]fcba YbHJ`k`cf`\_z  
cf`UfY`h YmidfYh]mia i W`]bhYfW`Ub[ UV`Y3**

This question has been answered live

K \ UhUfY'gca Y'fU]b]b[ g'h Uh7\ Ya ]WU'9b[ ]bYyf]b[ 'gli XYbfg'WUb'HU\_Y'k\ ]Y'H Ym UfY'gh'' ]b'gW cc`3`Gca Yh ]b[ `` ]\_Y'h Y'G57\ 9`Wf'h]Z]WUhgZ'Vi hZcf'9bj ]fcb a YbHU Yb[ ]bYyf]b[ 3

This question has been answered live

K \ UhXc'nci 'gYY']b'h Y'Z hi fY'cZYbj ]fcb a YbHU'Wcbgi `h]b[ 3 AcfY'WUfVcb WUdhi fY#]Yei YglfU]cb'hY'W bc`c[ nZk UhYf'fYU'ha YblZ'YbYf[ mi gU[ YZ'YHW3`8c'nci dfYX]WifY[ i `Uh]cbg'k ]``VY'a cfY'glf]W]b'h Y'Z hi fY UbX\ ck `Xc'nci 'gYY Ybj ]fcb a YbHU'Wcbgi `h]b[ `W Ub[ ]b[ 3

This question has been answered live

<ck `X]X'h Y'dUbXYa ]WW Ub[ Y'nci f'hmd]WU`XUh8`5 bX \ ck `X]X'nci `WcdY'k ]h `h Y W Ub[ Yg3

This question has been answered live

8 f"G]Y[ Y'a Ybh]cbYX'h UhZcb'hd'cZH'W b]WU`dfck YggZ'fgcZig\_]`gfUfY]a dcfHUbh Zcf'Wcbgi `h]b[ " : cf'h Y'dUbY`]glg']bj c`j YX']b'Vc'h h Y'5 WUXYa ]WUbX'; c j Yfba Ybh gYW'cf'g'UfY'h YfY'Ubm]dUf]h]W `Uf'g\_]`g'nci `ZY'UfY ]a dcfHUbh'cb'hd'cZH'W b]WU UV] ]h8

This question has been answered live

K \ UhXc'nci 'gYY']b'h Y'Z hi fY'cZYbj ]fcb a YbHU'Wcbgi `h]b[ 3 AcfY'WUfVcb WUdhi fY#]Yei YglfU]cb'hY'W bc`c[ nZk UhYf'fYU'ha YblZ'YbYf[ mi gU[ YZ'YHW3`8c'nci dfYX]WifY[ i `Uh]cbg'k ]``VY'a cfY'glf]W]b'h Y'Z hi fY UbX\ ck `Xc'nci 'gYY Ybj ]fcb a YbHU'Wcbgi `h]b[ `W Ub[ ]b[ 3

This question has been answered live