



### Charlie Vaughn Scholarship – Information

**Spring semester 2019, due November 9, 2018**

**Nevada Society of Professional Engineers'**

**Professional Engineers Foundation**

About us: <http://www.nspenv.org/> <https://www.nspe.org>

**Description:** The Nevada Society of Professional Engineers offers one \$1,600 full-time (12+ credits) or two \$800 part-time (6-11 credits) scholarships for undergraduate students enrolled in the UNLV Howard R Hughes College of Engineering.

**NSPE-NV Eligibility criteria:** To be eligible to apply, you must:

1. Be currently enrolled as an undergraduate major or pre-major in computer science, construction management or engineering at UNLV with a graduation date of **Fall 2019** or later.
2. Have a cumulative UNLV GPA of 2.75 or higher, and not be on academic probation or suspension.
3. Be a student member of NSPE and active in the NSPE Student chapter. **Cost: \$0.**

Please apply at <https://www.nspe.org/membership/type-membership/student-membership>

**Application process:** Submit the following materials in your application, assembled in this order:

1. The application form on the next page, completed with your information and the names of the ethics videos you will be viewing to discuss (See below for more information),
2. Unofficial copy of your UNLV transcript, obtained from your MyUNLV student center account, and
3. A copy of the record from NSPE national of your student membership.

**Electronically submit all your completed materials as an assembled PDF file to** [engineering.scholarship@unlv.edu](mailto:engineering.scholarship@unlv.edu) **by 5:00 PM on Friday, November 9, 2018. Late or incomplete applications will not be accepted.**

**Evaluation criteria:** Prior academic performance, prior level of participation in student organizations related to professional activities (if you are sophomore, junior, or senior, one of the student organizations must be the student chapter of NSPE), and ability to answer questions coherently and knowledgeably if selected to participate in the in-person oral interview phase on the topics listed below.

**Ethics Videos:** Students are required to identify any two of the following eight videos that they will watch in preparation for the oral interview phase of the scholarship process. Each of these videos discusses some current or historical topic where engineering ethics in some way impacts the discussion.

- Toyota Unintended Acceleration Engineering Ethics - [https://youtu.be/df-N6\\_eUOGQ](https://youtu.be/df-N6_eUOGQ)
- Galloping Gertie – The Collapse of the Tacoma Narrows Bridge - <https://youtu.be/KqqyAZDpV6c>
- Challenger Disaster - [https://youtu.be/mG8BPB\\_oPlg](https://youtu.be/mG8BPB_oPlg)
- Opioid Prescription & Ethics - <https://www.youtube.com/watch?v=UFxqo3uxrJY>
- Bring Back Extinct Species - <https://youtu.be/9Q-LtscES3s>
- Regulation of Drinking Water - <https://youtu.be/9aJ74GSma-E>
- Drone Use is Ethical in Warfare - <https://youtu.be/G99A8LAKnaU>
- Drone Use is Not Ethical in Warfare - <https://youtu.be/cpt-web6N6Y>

**Notification:** Emails will be sent to all applicants notifying them if they have been selected to move on to the oral interview phase of the scholarship evaluation.

**Results:** Interviewees will be notified via their Rebelmail account regarding results of their application.

**Questions:** Please contact Christopher Parker, UNLV College of Engineering Advising Center at 702-895-2522 or email [engineering.scholarship@unlv.edu](mailto:engineering.scholarship@unlv.edu)



# UNLV

**Spring Semester 2019**

**deadline 5:00 pm November 9, 2018**

**Nevada Society of Professional Engineers**

**Professional Engineers Foundation**

About us: <http://www.nspenv.org/>

## **Charlie Vaughn Scholarship - Application**

### **Instructions**

- (1) Read and understand the eligibility criteria and verify that you meet them before you apply.
- (2) Assemble the list of needed materials shown on previous page into one PDF file.
- (3) When you apply, please submit this form and all needed materials in one PDF file to [engineering.scholarship@unlv.edu](mailto:engineering.scholarship@unlv.edu) before 5:00pm on Friday, November 9, 2018.
- (4) Watch two ethics videos from <http://www.onlineethics.org/>, and take notes, enter below links for the ones you watched as you will be asked questions about them in the oral interview!
- (5) If you are selected for an oral interview, prepare in advance using links shown on the Information page.

**Name** \_\_\_\_\_

**Address** \_\_\_\_\_

**Telephone number(s)** \_\_\_\_\_

**NSHE ID (found on the front of your Rebel Card)** \_\_\_\_\_

**Rebelmail™ address** \_\_\_\_\_

**Major & degree** \_\_\_\_\_

The Online ethics videos I watched and took notes on were: (enter the links below)

1) \_\_\_\_\_

2) \_\_\_\_\_

### **Undergraduate Class Standing (check one)**

Freshman \_\_\_\_\_ Sophomore \_\_\_\_\_

Junior \_\_\_\_\_ Senior \_\_\_\_\_

**Anticipated Graduation Date** as semester, year,  
(must be **Fall 2019** or later) \_\_\_\_\_

**Attestation:** I certify that the information given above is true and complete to the best of my knowledge. In addition, I authorize the UNLV Registrar, Financial Services and Howard R. Hughes College of Engineering to examine my academic records to determine my eligibility for this UNLV scholarship.

*I understand that scholarships will not be awarded for cases where dropped or withdrawn classes cause me to fall out of compliance with the eligibility criteria.*

**Signature** \_\_\_\_\_

**Date** \_\_\_\_\_



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# UNLV

**Charlie Vaughn Scholarship – Information**  
**Spring Semester 2019, due Nov. 9, 2018**  
**Nevada Society of Professional Engineers'**  
**Professional Engineers Foundation**

**Keep this page after submitting your application so that**

**If you are selected, you can follow these steps to prepare for the oral interview:**

(1) Watch, take notes on and be prepared to discuss in the interview the two videos you previously identified on your application. As a reminder of what you wrote on your application form, please put an X or check mark below next to the two videos you chose to watch, take notes, and be prepared to discuss should you be invited to participate in the oral interviews:

- ☐ Toyota Unintended Acceleration Engineering Ethics - [https://youtu.be/df-N6\\_eUOGQ](https://youtu.be/df-N6_eUOGQ)
- ☐ Galloping Gertie – The Collapse of the Tacoma Narrows Bridge - <https://youtu.be/KqqyAZDpV6c>
- ☐ Challenger Disaster - [https://youtu.be/mG8BPB\\_oPlg](https://youtu.be/mG8BPB_oPlg)
- ☐ Opioid Prescriptions & Ethics - <https://www.youtube.com/watch?v=UFxqo3uxrJY>
- ☐ Bring Back Extinct Species - <https://youtu.be/9Q-LtscES3s>
- ☐ Regulation of Drinking Water - <https://youtu.be/9aJ74GSma-E>
- ☐ Drone Use is Ethical in Warfare - <https://youtu.be/G99A8LAKnaU>
- ☐ Drone Use is Not Ethical in Warfare - <https://youtu.be/cpt-web6N6Y>

(2) To be prepared to answer additional questions during the oral interview, review in advance the following three National Society of Professional Engineers' web links and take notes:

1. <https://www.nspe.org/resources/students/student-resources> - watch any 2 available webinars
2. <https://www.nspe.org/resources/students/staywithit-and-nspe> - why should I stay with it?
3. Watch the video at <https://www.nspe.org/resources/licensure/why-get-licensed/video-get-licensed-get-ahead>

(3) Prepare a short 5-minute oral presentation on each of the following topics. The first two presentations are on the ethics videos in steps (2).1 and (2).2 above

1. Why should I stay with it, and graduate with an engineering degree?
2. What are my most important ethical obligations as an engineering major, and in my future career?
3. My prior levels of participation in NSPE and other student professional organizations