



**COLLEGE OF
ENGINEERING &
COMPUTER SCIENCE
2010-2011
SCHOLARSHIP
HANDBOOK**

College of Engineering & Computer Science
2010-2011 Scholarships

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General Information

UCF encourages all students to look into scholarships - you don't have to be a "whiz kid" to apply for many of the programs available.

If you have not applied for financial aid at UCF, we urge you to do so. You may be considered for some additional scholarships just by having a current need analysis (**FAFSA**) on file in the Financial Aid Office. In addition, many scholarship programs now require information about an applicant's financial need.

When considering applying for a scholarship, look at yourself honestly. **Do not apply for any scholarship if you don't meet the basic criteria.**

For additional graduate fellowships, don't forget to check out the Graduate Studies web page at:
<http://www.graduate.ucf.edu/>

Lastly, be meticulous in packaging your scholarship applications: NO typos, oversights, omissions, or poorly photocopied pages. Present yourself in an organized and professional manner. Be sure to submit **all** required documentation to be considered eligible for scholarships. Students are advised to examine the list carefully and **SUBMIT ONLY ONE APPLICATION**. Online scholarship application can be found at <http://www.cecs.ucf.edu/scholar/>

The College Scholarship and Awards Committee select recipients who will be notified by the Dean's office prior to beginning of the fall 2010 semester. The awards are disbursed for the fall 2010 and spring 2011 semesters. Please note: Do not apply for any CECS scholarships if you are graduating prior to the Fall 2010 semester. You must meet all scholarship criteria for the Fall 2010 semester to receive the award. If you are awarded a scholarship and do not meet criteria in the Fall 2010 semester, you will be forfeiting your award.

UCF is handling more scholarship programs than ever before. There are literally thousands of scholarship programs, but locating, evaluating, and applying for them is entirely up to you. The Financial Aid Office can respond to questions, but please be aware that the initiative and legwork is all yours. We urge you to research all possible avenues and to start the process early. If we receive information on new awards for the 2010-2011 academic year, notices will be sent out to CECS students by email.

Letter of Recommendation

When preparing your Letter of Recommendation, approach faculty and/or persons with some name or title WHO YOU KNOW. Provide them the name, address, and administrator of the scholarship(s) for which you are applying. Letters of Recommendation should NEVER be addressed "To Whom It May Concern", rather address letters to the CECS Scholarship Committee, Dr. Charles Reilly, or Mrs. Kim Small. Also give the person a list of your qualifications, service activities, interests, career goals, achievements, and/or any other information specific to you and the scholarship program criteria you are seeking to fulfill.

Deadlines

College of Engineering & Computer Science Scholarships have a deadline of February 1st unless otherwise stated.

No applications will be accepted after February 1, 2010. The College Scholarship Committee should be prepared to announce their decisions by March 12, 2010 and the students selected to receive scholarships will be notified by mail shortly thereafter. As part of the selection process, recipients will be asked to send the scholarship donors a letter of appreciation. Donor contact information for the thank you letters is located on the college website www.cecs.ucf.edu/students/#scholarships

Additional Information

The following pages contain information on scholarships offered by the College of Engineering & Computer Science. The Academic Affairs office, ENGR 107, handles all these scholarships except where otherwise stated. **Scholarships are dependant upon today's economy. The availability and value of each award is subject to change.**

Good luck!!



For information on CECS scholarships please contact:
Kim Small
University of Central Florida
College of Engineering and Computer Science
Academic Affairs Office ENGR-I 107
Orlando, FL 32816
(407) 823-2455
ksmall@mail.ucf.edu



CECS GRADUATE SCHOLARSHIP REQUIREMENTS

Arab American Community Center/Kamal Marchi Endowed Scholarship (\$2,000, 6 Awards)

- *Applicant must be enrolled at the University as a full time undergraduate or graduate student studying engineering or computer science. Applicant may be a first time enrolled student or a currently enrolled student.
- *Applicant must maintain a minimum 3.0 GPA
- *Applicant must be of Palestinian, Lebanese, Arab-American, or other Arab descent or origin.
- *Applicant must submit a scholarship application along with a 500 word essay explaining his/her future goals.

ASCE Water Resources Technical Group (Various Awards)

- *Minimum 2.8 GPA at UCF
- *A full time junior, senior or graduate student majoring in Civil or Environmental Engineering
- *Demonstrated interest in water resources engineering
- *Participation in extracurricular activities will be considered
- *Financial need may be considered.

Austin L. Grogan Memorial Scholarship (\$500, 1 Award)

- *Graduate student in the MMAE Department, with preference given to materials major
- *Must be in excellent academic standing, must have participated in appropriate scholarly activities
- *Must not be scheduled for graduation prior to December 2010
- *2 letters of recommendation from MMAE faculty

Daniel D. Hammond Engineering Endowed Scholarship (\$2,000, 2 Awards)

- *Minimum 3.0 GPA
- *A graduate student in Electrical Engineering, Computer Eng.
- *Involvement in leadership, community service, etc.
- *Submit a paragraph on career objectives
- *Interest in InverVoice technology

Frank Hubbard Engineering Scholarship (\$1,000, 10 Awards)

- *Engineering major with at least 3.0 GPA
- *Full time graduate (9 credit hours)
- *Extracurricular activities and community services

Geotechnical and Environmental Consultants, Inc. Endowed Scholarship (\$1,000, 2 Awards)

- *Full-time undergraduate or graduate student majoring in civil or environmental engineering.
- *Demonstrate academic achievement with GPA of 2.5 or higher.
- *Demonstrate involvement in the student chapter of ASCE or FES.
- *Letter of recommendation from faculty member required.
- *Financial need based on FAFSA.

Gerald R. Langston Endowed Scholarship
(\$500, 1 award)

- *Full-time junior, senior, or graduate student in the College of Engineering and Computer Science.
- *Demonstrate academic achievement with GPA of 3.0 or higher.
- *Letter of recommendation from faculty member.

Gerry and Ruth Hartman Scholarship
(\$2,500, 2 Awards)

- *Full-time graduate student majoring in Environmental Engineering
- *Minimum GPA of 3.0
- *Must submit a one-page letter explaining why they want to be in environmental engineering
- *Must submit a letter of reference from a faculty member
- *Preference will be given to applicants demonstrating involvement in clubs, leadership positions held, community service, etc.

Marty Wanielista Endowed Fellowship
(\$1,000, 2 Awards)

- *Min. 3.0 GPA
- *Full or part time graduate student at UCF majoring in Civil or Environmental Eng.
- *Applicant must demonstrate interest in storm water management by submitting two letters of reference

Neel-Schaffer Scholarship
(\$1,000, 1 Award)

- *Full time junior, senior or graduate student majoring in Civil and Environmental Engineering
OR an incoming full time freshman in Civil and Environmental Engineering with a min. SAT score of 1200
- *Maintained Min. 3.0 GPA
- *Applicant must demonstrate involvement in clubs, organizations, or volunteer leadership positions and community service

Student Panel for Engineering and Computer Science (SPECS) Scholarship
(\$800, 3 Awards)

- *Must be an undergraduate or graduate student in the College of Engineering and Computer Science
- *Minimum UCF GPA 3.0 for graduate and minimum 2.8 GPA for undergraduate
- *Must submit a resume demonstrating involvement in clubs, leadership positions, or volunteer service
- *Must submit one letter of recommendation preferably from a UCF faculty member
- *Must submit a short essay (no more than 750 words).

Essay Questions: (Choose One)

1. What new resources would you like to see become available, or what current resources would you like to see improved, to assist the students of the College of Engineering and Computer Science with their academics and/or other aspects of college life? Please explain.
2. What new methods could student organizations of the College of Engineering and Computer Science use to reach out to students and increase involvement in their organizations? Please explain.

The Yousef A. Yousef Endowed Fellowship
(\$1,000, 1 Award)

- *Graduate student in Civil Engineering with specific research in water quality
- *Enrolled in at least 9 hours; GPA of 3.0 (minimum)
- *Two letters of recommendation
- *Financial Need based on FAFSA

Additional Graduate Scholarship Opportunities www.graduate.ucf.edu



CECS UNDERGRADUATE SCHOLARSHIP REQUIREMENTS

Alvin Lehman Scholarship

(\$500, 1 Award)

- *At least 22 years old at time of commencing college studies, or a minimum of 2 years between high school and college
- *Financial Need based on FAFSA

American Arab Community Center/Kamal Marchi Endowed Scholarship Scholarship

(\$2,000, 6 Awards)

- *Applicant must be enrolled at the University as a full time undergraduate or graduate student studying engineering or computer science. Applicant may be a first time enrolled student or a currently enrolled student.
- *Applicant must maintain a minimum 3.0 GPA
- *Applicant must be of Palestinian, Lebanese, Arab-American, or other Arab descent or origin.
- *Applicant must submit a scholarship application along with a 500 word essay explaining his/her future goals.

ASCE East Central Branch Scholarship

(\$1,000, 3 Awards)

- *Membership of ASCE student Chapter
- *Full time Sophomore, Junior, or Senior student in Civil and Environmental Engineering
- *Minimum 3.0 GPA
- *Submit one letter of reference from faculty

ASCE Water Resources Technical Group

(Various Awards)

- *Full time Junior, Senior or Graduate Student majoring in Civil or Environmental Engineering
- *Minimum 2.8 GPA at UCF
- *Demonstrated interest in Water Resources Engineering
- *Participation in extracurricular activities will be considered
- *Financial need may be considered.

AT&T Wireless Endowed Scholarship

(\$1,500, 4 Awards)

- *Min. 3.2 GPA
- *Full time Junior or Senior at UCF majoring in Electrical Engineering or Electrical Engineering Technology
- *Demonstrated involvement in leadership and community service, etc.
- *Financial Need based on FAFSA

Boeing Scholarship Fund

(\$2,000, 15 Awards)

- *Full-time undergraduate student with minimum 2.75 GPA
- *Available to students majoring in Aerospace, Civil, Computer Science, Electrical or Industrial Engineering
- *Demonstrate involvement in clubs, leadership positions held and community service by submitting written verification of involvement
- *Must be a US citizen.

Burton Braswell Middlebrooks & Associates, Inc. Structures Scholarship
(\$1,500, 1 Award)

- *Full time Civil Engineering undergraduate student with emphasis on structural engineering
- *Minimum GPA of 2.75
- *Active involvement in American Society of Civil Engineers activities on campus preferred

CAE USA Inc. Scholarship
(\$5,000, 4 Awards)

- *Must be of Sophomore status or higher
- *Minimum GPA of 3.5
- *Enrolled in the field of Computer Science, Electrical Engineering, or Mechanical Engineering.
- *Student must have spent his/her last two years of high school located in Hillsborough, Pinellas, Pasco, Hernando, Polk, Manatee, Orange, Seminole or Volusia county

CHIP Supply Scholarship
(\$1,500, 1 Award)

- *Must be a full time undergraduate student majoring in Mechanical or Electrical Engineering with emphasis on micro-electronics
- *Minimum GPA of 2.7

College of Engineering Alumni Chapter Scholarship (ASHRAE)
(Award range \$1,000-\$2,500)

J. Wesley Floreth Scholarship- Senior student (\$2,500, 1 award)

R. Douglas Stone, P.E. Scholarship- Junior or Senior student (\$2,000, 1 award)

Hal Condo, P.E. Scholarship- Sophomore or Junior student (\$1,000, 1 award)

John D. Simmonds, P. E. Scholarship- Freshmen, Sophomore, Junior or Senior student (\$1,000, 1 award)

- *Applicant must be enrolled at the University as a full-time or part-time undergraduate student majoring in mechanical or electrical engineering
- *Applicant must have a minimum GPA of 2.5
- *Applicant must demonstrate involvement in leadership, community, or military service
- *Applicant must submit one letter of recommendation (preferably from an ASHRAE member)
- *Applicant must submit one application essay of no more than 500 words. Suggested topics include:
 - Past work experience in the HVAC industry
 - Interest in the HVAC industry
 - Interest in the sustainability in the building industry
 - Experience with ASHRAE

Colonel Leslie M. Gross Memorial Scholarship
(\$1,000, 1 Award)

- *U.S. citizen who may or may not have financial need with GPA of at least 2.75
- *Must have started at UCF, cannot be a transfer student
- *Must have satisfactorily completed 30-60 (max) hours at UCF pursuing a degree in Engineering
- *ROTC candidates will have priority

Cora Shaw Jenkins Memorial Scholarship
(\$500, 1 Award)

- *Female student at Junior or Senior level
- *GPA 3.0 or above
- *Civil Engineering major; prefer student with an expressed interest in Structural Engineering
- *A statement of financial need and one-page resume
- *A written statement of career objectives

Daniel D. Hammond Engineering Endowed Scholarship
(\$1,500, 5 Awards)

- *Minimum 3.0 GPA
- *An undergraduate student in Electrical Engineering, Computer Eng. or Engineering Technology
- *Involvement in leadership, community service, etc.
- *Submit a paragraph on career objectives

DRMP Scholarship
(\$1,000, 1 Award)

- *Must be a full time undergraduate student majoring in Civil, Construction, or Environmental Engineering.
- *Must have a minimum 2.7 cumulative GPA.
- *Must submit one letter of recommendation.

EADS/Airbus North America Scholarship
(\$2,500, 4 Awards)

- *Full time undergraduate student majoring in Aerospace Engineering
- *Must maintain a 3.0 GPA
- *Scholarship may be awarded to the same student in successive semesters until graduation provided that funds are available and the award recipient maintains renewal eligibility.
- *Preference given to Florida resident

Special Considerations:

- *Scholarship recipients will be encouraged to apply for internship or co-operative opportunity with Airbus North America Engineering Facilities beginning in January 2011.

Encore Construction Scholarship
(\$2,500, 2 Awards)

- *Must be enrolled as a full-time sophomore, junior, or senior majoring in Civil, Environmental, or Construction Engineering
- *Must have an overall GPA of 3.2 or higher
- *Special consideration will be given to students who have financial need as determined by FAFSA
- *Students may reapply annually and compete for consecutive awards.

Engineering and Computer Science Alumni Chapter Scholarship
(\$1,500, 5 awards)

- *Full-time junior or senior majoring in Engineering or Computer Science
- *Minimum 2.5 GPA, with at least 30 hours completed at UCF
- *Membership in an Engineering or Computer Science related organization is required
- *Extracurricular activities and financial need will be considered
- *Recipients are required to attend at least one CECS Alumni Chapter meeting and perform 8 hours of community service with the CECS chapter prior to graduation

Florida Water Environment Association (FWEA) Scholarship Central Florida Chapter
(\$1,000, 1 Award)

- *Must be a full time undergraduate student majoring in Civil or Environmental Engineering
- *Must have a minimum 3.0 GPA
- *Must demonstrate involvement in clubs, organizations, or community service
- *Must submit a resume and one letter of recommendation from an Engineering faculty member
- *Preference will be given to FWEA members.

Frank Hubbard Engineering Scholarship
(\$1,000, 10 Awards)

- *Full time undergraduate (12 credit hours)
- *Engineering major with at least 3.0 GPA
- *Extracurricular activities and community services

Geotechnical and Environmental Consultants, Inc. Endowed Scholarship
(\$1,000, 2 Awards)

- *Full-time undergraduate or graduate student majoring in civil or environmental engineering.
- *Demonstrate academic achievement with GPA of 2.5 or higher.
- *Demonstrate involvement in the student chapter of ASCE or FES.
- *Letter of recommendation from faculty member required.
- *Financial need.

Gerald R. Langston Endowed Scholarship

(\$500, 1 award)

- *Full-time junior, senior, or graduate student in the College of Engineering and Computer Science.
- *Demonstrate academic achievement with GPA of 3.0 or higher.
- *Letter of recommendation from faculty member.

Jack Jennings Endowed Scholarship

(\$1,000, 2 Awards)

- *Academic achievement and Community service
- *Full or part-time undergraduate in Construction Engineering or Construction Management
- *Graduated from public or private high school in Orange or Seminole county
- *Prefer employment in construction industry (ABC member)

Lawnie Burke Memorial Scholarship

(\$500, 1 Award)

- *Junior or Senior in Engineering Technology with an interest in Design or Computer- aided Processes
- *Florida resident, minimum GPA of 2.5
- *Financial Need based on FAFSA
- *Participation in campus and community activities

Lockheed Martin Management Club/G.T. Willey Scholarship

(\$1,000, 1 Award)

- *Must be a BSE student in the School of Electrical Engineering & Computer Science
- *Must be in at least their Junior year and have at least one semester of course work remaining before graduation
- *Should hold membership in an Engineering related organization
- *Should have completed at least 2 courses in the engineering electives area as well as 2 courses in the core-required work
- *Should have been enrolled as full time student for the majority of his/her course work at UCF
- *Should have maintained an overall minimum UCF GPA of 3.0 and a minimum Engineering GPA of 3.0

Michael C. Rawe Scholarship

(\$500, 1 Award)

- *Full time undergraduate student majoring in Construction Engineering
- *Minimum 2.75 GPA
- *Involvement in clubs, leadership, community service, etc.

Miller Sellen Conner & Walsh Endowed Scholarship

(\$500, 1 Award)

- *Full time Undergraduate student majoring in Civil or Environmental Engineering
- *Preference given to students with an emphasis in storm water management
- *Minimum 3.0 GPA
- *Preference given to demonstrated involvement in clubs, leadership positions held, and community service

NCSLI Scholarship

(\$2,000, 1 Award)

- *Full time undergraduate student enrolled in the College of Engineering and Computer Science
- *Overall 3.2 GPA
- *Must submit one letter of recommendation from a faculty member
- *Must submit a college scholarship application
- *Must have completed a measurement related course

Neel-Schaffer Scholarship

(\$1,000, 1 Award)

- *Full time junior, senior or graduate student majoring in Civil or Environmental Engineering. OR
- *An incoming full time freshman in Civil or Environmental Engineering with Min. 1200 SAT
- *Maintained Minimum 3.0 GPA
- *Must demonstrate involvement in clubs, organizations, volunteer leadership positions and community service

Progress Energy Scholarship

(\$1,000, 4 Awards)

- *Must be enrolled as a junior or senior in Electrical or Civil engineering.
- *Must have a minimum 3.0 GPA
- *Must demonstrate financial need as determined by the FAFSA
- *Must have proven experience in both leadership and community activities as evidenced in a 200 word essay.
- *Must be a Central Florida resident within the Progress Energy service area and submit a copy of a current utility bill as substantiation.

Society for Information Management (SIM) Endowed Scholarship

(\$1,000, 4 Awards)

- *Full time junior majoring in Computer Science, Information Technology, or Information Systems Technology
- *Minimum GPA 3.0
- *Applicant must demonstrate involvement in clubs, leadership positions held and community service by submitting a written verification of involvement
- *Submit one letter of recommendation from a faculty member

Solid Waste Management Scholarship

(\$1,000 1 Award)

- *Minimum 3.0 GPA
- *Full time undergraduate majoring in environmental engineering, preferably with an interest in solid waste
- *Demonstrated involvement in clubs, leadership positions, community service, etc.
- *One letter of reference from engineering faculty
- *This award is disbursed in spring term only

Student Panel for Engineering and Computer Science (SPECS) Scholarship

(\$800, 3 Awards)

- *Must be an undergraduate or graduate student in the College of Engineering and Computer Science
- *Minimum UCF GPA 3.0 for graduate and minimum 2.8 GPA for undergraduate
- *Must submit a resume demonstrating involvement in clubs, leadership positions, or volunteer service
- *Must submit one letter of recommendation preferably from a UCF faculty member
- *Must submit a short essay (no more than 750 words).

Essay Questions: (Choose One)

1. What new resources would you like to see become available, or what current resources would you like to see improved, to assist the students of the College of Engineering and Computer Science with their academics and/or other aspects of college life? Please explain.
2. What new methods could student organizations of the College of Engineering and Computer Science use to reach out to students and increase involvement in their organizations? Please explain.

Turner Construction Scholarship

(\$1,000, 3 awards)

- *Full-time sophomore, junior, or senior student majoring in Civil or Construction Engineering
- *Preference will be given to students in Construction
- *Must have a minimum GPA of 3.0
- *Donor intends to award one scholarship to a sophomore, junior, and senior. For seniors, preference given to students who have completed an internship. Seniors should submit a resume that includes internship history.
- *Applicant must provide a 750 word statement of aspiration articulating their reason for pursuing a career in building construction. The statement should also include community involvement experience.

William Palm Family Scholarship

(\$1,500, 1 Award)

- *Minimum 3.0 GPA
- *Full time, sophomore, junior, or senior majoring in Civil and Environmental.
- *Demonstrated involvement in clubs, leadership positions, community service, etc.

Walt Disney World Co. Ride & Show Engineering Scholarship

(\$1,000, 3 Awards)

- *Minimum 3.0 GPA
- *Full time sophomore, junior or senior majoring in mechanical or electrical engineering
- *Applicant must be a Florida resident
- *Demonstrated involvement in clubs, leadership positions held and community service by submitting written verification of involvement

WateReuse Scholarship

(\$1,000, 2 Awards)

Criteria not available at this time. Check back later for information.

Whalen Family Trust Scholarship

(\$1,000, 1 Award)

- * Junior, Senior, or graduate student majoring in Aerospace Engineering
- * Must be in excellent academic standing
- * Demonstrate involvement in extracurricular/professional activities
- * Must not be scheduled for graduation prior to December 2010.
- * 2 letters of recommendation from MMAE faculty

SCHOLARSHIPS OFFERED THROUGH THE COLLEGE OF ENGINEERING AND COMPUTER SCIENCE OFFICE OF DIVERSITY

NSF/Florida-Georgia Louis Stokes Alliance for Minority Participation in Engineering and Science (FGLSAMP) Undergraduate (\$750- \$2000, 5-9 Awards)

- *Must be pursuing a degree in Engineering, Mathematics, or Science
- *Recipient must be enrolled as a full time student (12 or more credit hours in the fall and in the spring)
- *Recipient must have a cumulative GPA of 2.8 or higher
- *Recipient must show financial need based on FAFSA
- *Sophomore, Junior, and Senior students will engage in a research activity approved by the CECS Office of Diversity
- *Recipient must be a U.S. citizen or permanent resident who belongs to an underrepresented group (African American, Hispanic, or Native American)
- *Must attend annual FGLSAMP Expo
- *Recipient will provide 20 hours of pre-college program assistance per semester to the CECS Outreach Office
- *Scholarship renewable if the student meets all the above criteria.

National Action Council for Minorities in Engineering (NACME) Scholarship (10 awards)

- *Applicant must be a full time student (12 or more credit hours in the fall and in the spring)
- *Applicant must be enrolled in an Engineering major
- *Applicant must be a U.S. citizen or permanent resident who belongs to an underrepresented group (African American, Hispanic, or Native American)
- *Applicant must meet the following GPA requirement:
 - First year student: minimum 2.5 GPA
 - Second, third year, or transfer student: minimum 2.7 GPA
 - Fourth and fifth year student: minimum 2.8 GPA

XEROX Society of Hispanic Engineers (SHPE) Scholarship (\$1,000, 8 awards) and (\$500, 1 award)

- *Full time student graduating no earlier than Spring 2011
- *GPA 3.0 or above (both UCF and cumulative)
- *Active member of UCF Society of Hispanic Professional Engineers
- *One page resume
- *Letter of recommendation OR Application Essay

Contact Dr. Eduardo Divo by email: edivo@mail.ucf.edu for application information. Deadline October 1, 2010.

SCHOLARSHIPS OFFERED THROUGH THE UCF OFFICE OF STUDENT FINANCIAL ASSISTANCE

Students should visit the Student Financial Assistance website
For complete list of available scholarships and applications
<http://finaid.ucf.edu/scholarships/list.html>