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1. DANIEL WEBSTER COLLEGE - FIRST SCHOLARSHIP

In partnership, FIRST and Daniel Webster College have established a scholarship to benefit a deserving student who has participated on a FIRST team during his or her high school years and who would like to attend Daniel Webster College. The student may enroll in any course of study at Daniel Webster College.

Daniel Webster College will award a merit scholarship in the amount of \$7500 per year for four years to a student who has been a member of a FIRST team at any high school in the country. The student must meet the regular academic requirements for admission as written in the college catalogue, as well as meeting requirements for scholarship retention. This scholarship is a merit scholarship. The recipient will not be eligible for additional merit scholarship awards from Daniel Webster College, but the student may apply for need-based financial aid.

Daniel Webster College's project-oriented curriculums combine theory and application. Students who do well here have a can-do attitude, are willing to take the initiative to lead their teams in project work, and have a commitment to excel in the classroom.

To apply for the 2000 Daniel Webster College - FIRST Scholarship,

- Submit a detailed resume highlighting your leadership and technical skills and potential.
- Submit a recommendation from an adult leader on your FIRST team.
- Submit a 500-word essay on your reactions to one of the following three quotes:

“Leaders lead by example. They know how to set aggressive but achievable goals. They know the difference between desirable pressure and undesirable stress. And they know how to create an environment where people work hard because they enjoy what they are doing” – Unknown

“The most important thing is to keep the most important thing the most important thing.”
– Stephen Covey

“Remember, the FIRST competition is not about building a robot, it's about building a team.” - Vincent Wilczynski

- Complete a Daniel Webster College Admissions Application packet. The \$35.00 application fee has been waived.

Submissions must be received no later than March 1, 2000. The recipient will be announced at the National Championship in April 2000.

Please send all submissions to:

Admissions Office
1999 Daniel Webster College -FIRST Scholarship
Daniel Webster College
20 University Drive
Nashua, NH 03063-1300

ABOUT DANIEL WEBSTER COLLEGE

Daniel Webster College awards the B.S. degree in several areas including aviation, business management, sport management, computer science, and information systems. The A.S. degree is awarded in engineering science and aeronautical engineering. The College has transfer agreements in engineering with UNH, UMASS-Lowell, Clarkson University, and Kettering University (formerly GMI).

Viewbook, course catalogue, and application materials may be obtained by contacting: Director of Admissions, Daniel Webster College, 20 University Drive, Nashua, NH 03063-1300. The college's web site address is www.dwc.edu. Telephone (603) 577-6600 or 800-325-6876. E-mail address is admissions@dwc.edu.

2. DREXEL UNIVERSITY SCHOLARSHIPS (8)

In partnership, Drexel University and FIRST have established eight merit scholarships for high school juniors. These scholarships will benefit deserving junior students who are actively involved on a competing FIRST team during his or her high school junior year and who would like to attend Drexel University. The students may enroll in a full time undergraduate program of study at Drexel University.

Drexel University will award a merit scholarship in the amount of \$5,000 per year of attendance to eight junior students who are actively a member of a FIRST team at any high school in the country. The winners will be announced at the National Championship in April 2000. Each junior student who applies for the scholarship must meet the regular academic requirements for admission as well as meeting requirements for scholarship retention. These scholarships are merit scholarships. The recipients will not be eligible for additional merit scholarships from Drexel University, however the student may apply for need-based financial aid.

ABOUT DREXEL

Drexel University is a national leader in curricular innovation and co-operative education with a strong technological focus. Through Drexel Co-op: “The Ultimate Internship”® students alternate between periods of classroom study and paid professional employment, gaining experience needed to pursue the graduate school or career of their choice. At Drexel, students can earn a B.A., B.S., M.S., M.B.A., and Ph.D. in one of five colleges and three schools including Arts and Sciences; Business Administration; Design Arts; Engineering; Information Science and Technology; Biomedical Engineering; Science & Health Systems; Education; and Environmental Science, Engineering and Policy. Most recently, Drexel has forged an alliance with MCP Hahnemann University, which offers the prestigious MCP Hahnemann University School of Medicine, along with three schools in nursing, health professions and public health. Thanks to Drexel’s Philadelphia location, the University offers its students all of the benefits of a major metropolitan area and corporate center.

To apply for one of the eight Drexel University 2000 scholarships:

- Complete a Drexel University Undergraduate Admissions Application packet. The \$35.00 application fee will be waived.
- Submit a detailed resume highlighting your leadership and technical skills and potential.
- Submit a recommendation from an adult leader on your FIRST team.

Admission applications may be obtained from the undergraduate admissions office at the address below. Completed applications and scholarship submissions must be received no later than March 1, 2000. Please send submissions to:

Drexel University
1999 Drexel University-FIRST Scholarship
Undergraduate Admissions
3142 Chestnut Street
Philadelphia, PA 19104

Telephone: 800-2-DREXEL
E-mail: Enroll@drexel.edu
Website: www.drexel.edu

3. KETTERING UNIVERSITY SCHOLARSHIPS (5)

In partnership with FIRST, Kettering University (formerly GMI) is awarding up to five, merit-based scholarships, each having a 4-year value of \$20,000. Scholarship applicants must be high school seniors who are actively involved on a competing FIRST team during their senior year of high school, and who would like to attend Kettering University. Recipients may enroll in any course of study at the university.

Two letters of recommendations are required, at least one must be from an adult leader on the applicant's FIRST team. An essay must also be included which describes the applicant's involvement in the FIRST program and what the experience meant. The winners will be announced at the National Championship in April 2000.

Students must meet the regular admission criteria for the university and must be admitted to the university by March 1, 2000 to be considered for the scholarship. Applications for admission are available through the Office of Admissions.

The FIRST scholarship application deadline is March 1, 2000. Interested students must submit a letter of scholarship application detailing their involvement in the FIRST program with their two letters of recommendation to the Financial Aid Office, Kettering University, 1700 W. Third Ave., Flint, MI 48504 by this date.

Both the Office of Admissions and the Financial Aid offices can be contacted at 1-800-955-4464 or by mail at: 1700 W. Third Avenue, Flint, MI 48504.

ABOUT KETTERING UNIVERSITY

(formerly GMI Engineering & Management Institute)

- **Founded:** In 1919 by General Motors, independent since 1982. Became Kettering University in 1998.
- **Students:** 2,400 Undergraduate students, 20% women, 12% minorities, 46 states and 15 countries represented.
- **Faculty:** More than 130 full-time faculty, 80% with terminal degrees and the majority with significant business/industrial experience.
- **Academic Programs:** Majors, leading to Bachelor of Science degrees, offered in Computer, Electrical, Industrial, Manufacturing and Mechanical Engineering; Management; Applied Math; Applied Physics; Environmental Chemistry; and Computer Science.
Minors offered in Acoustics, Applied Chemistry, Applied and Computational Mathematics, Applied Optics, Applied Statistics, Computer Engineering, Computer Science, Electrical Engineering, Environmental Chemistry, International Studies, Liberal Arts Studies, Management, Material Science and Physics.
- **Academic/Co-op Calendar:** Students alternate 12-week terms of on-campus classroom study with on-the-job work at a co-op employer. Four 12-week terms comprise one academic year.

FIRST and Kettering University constitute a great team! The very important hands-on engineering and technical experiences learned while competing in FIRST are skills that you can build on as an undergraduate student at Kettering University. Kettering students work side by side with engineers and technical experts developing work skills and earning substantial wages to cover a significant part of their educational expenses.

Kettering University is America's premiere cooperative education university. Many of the very companies sponsoring FIRST teams, such as Johnson & Johnson, Delphi Automotive and General Motors, also employ our co-op students for the full five-year program. At graduation, Kettering University students have up to 2 ½ years of corporate experience and a significant start on their careers.

What do most employers demand from applicants? Related experience. Our students gain experience while earning their Bachelor of Science degree! As a student participant in FIRST, you will have an advantage over other Kettering University applicants because of your experiences in FIRST and the association with your sponsor. So....apply now to Kettering University and get your career off to a great start.

Quote from Rebecca Linhorst of Bridgewater, MA, 1998 FIRST participant with Johnson & Johnson and now a co-op student at Kettering University employed at Johnson & Johnson, Southington, CT.

"FIRST is exactly the reason I decided to become an engineer and why I should be considered for this scholarship. I went to Johnson & Johnson many nights, working hand in hand with engineers to build a fully functional robot that would be ready to compete in six weeks. By doing this I developed an almost feverish desire to become an engineer!"

4. NORTHEASTERN UNIVERSITY SCHOLARSHIP

The mission of FIRST is to expose and attract new students to the fields of engineering and science--a necessity of critical national importance. This mission is significantly aligned with that of Northeastern University (NU) in Boston. The NU College of Engineering, therefore, is proud to be a participant in FIRST and to offer a full-tuition, fully renewable scholarship to a high school junior who has participated on a FIRST team.

SCHOLARSHIP DESCRIPTION

Northeastern University's College of Engineering will award a full-tuition, merit-based scholarship for an undergraduate degree in any engineering discipline. This scholarship is available to any eligible high school junior who has participated in the FIRST program on any team. The recipient must meet the regular academic requirements for admission to the College of Engineering and scholarship retention as described in the university catalogue.

The scholarship recipient will be announced at the National Championship and will renew automatically each year of his or her undergraduate degree (for a maximum of five years), contingent upon maintaining good academic standing. Postcards to request a scholarship application package will be available at the national and regional competitions or can be obtained by contacting the College of Engineering at Northeastern University directly (see below).

SUBMISSION REQUIREMENTS

To apply for the Northeastern University FIRST Scholarship, request the application package (see below) which will include:

- The regular application materials for admission to Northeastern University's College of Engineering (the application fee will be waived);
- The NU FIRST Scholarship Application; and
- A recommendation form to be completed by an adult leader on your FIRST team.

SCHOLARSHIP APPLICATION DEADLINE:

Completed NUFIRST scholarship and admission applications must be received at the address below by January 7, 2001. To request a NUFIRST scholarship and admission application package, please contact:

David S. Navick
Assistant Dean for Engineering Enrollment
230 Snell Engineering Center
Northeastern University
360 Huntington Avenue
Boston MA 02115-5000
attn: NUFIRST Scholarship
E-mail: dnavick@coe.neu.edu

Special Note: As a reminder, please be aware that the NUFIRST scholarship offering announced during the 1999 competition season has a submission deadline of January 7, 2000. The recipient of this scholarship offering will be announced at The National Championship at Epcot in April 2000.

ABOUT NORTHEASTERN UNIVERSITY

Located in the center of Boston's thriving educational and cultural community, students study with nationally recognized faculty in state-of-the-art facilities and have easy access to many recreational activities in the city and surrounding New England countryside. The College of Engineering is well known for the teaching and research of its faculty in the following departments and academic programs:

- Mechanical, Industrial, & Manufacturing Engineering;
- Electrical & Computer Engineering;
- Civil & Environmental Engineering;
- Chemical Engineering;
- School of Engineering Technology.

Outside the classroom, students benefit from a nationally recognized cooperative education program, a strong academic honors program, and numerous professional societies and student groups. As one of the oldest and largest co-op-based universities, students consistently report that they relate their course-work better to real-world applications, return to their studies with greater commitment, and often receive permanent job offers from former co-op employers. All engineering students also have the option to obtain a minor in business, mathematics, computer information systems, music, etc.

5. UNIVERSITY OF DETROIT MERCY SCHOLARSHIP

In partnership with FIRST, the University of Detroit Mercy has established a scholarship to benefit a deserving student who currently is a junior and participating on a FIRST team, and would like to attend the University of Detroit Mercy as an engineering major.

DESCRIPTION

The University of Detroit Mercy (UDM) will award one merit scholarship in the amount of \$9000 per year for four years to a high school student who, during the 1999-2000 academic year, is a junior and active on his/her FIRST team. The recipient will be awarded the position of "FIRST Ambassador" which pays \$1000 per term for assisting with College of Engineering's FIRST activities. The winner must meet the regular admission requirements for the College of Engineering & Science and must satisfy the requirements for an academic scholarship as well as meet scholarship retention. The recipient may also be eligible for additional UDM academic scholarship money as well as financial aid. The recipient must major in one of UDM's four engineering programs.

The University of Detroit Mercy believes in the FIRST mission and wishes to reward a FIRST participant for his/her commitment to that mission. Because of this, the judging criteria will be based on the applicant's essay as well as academic performance. The University recognizes that the students involved in FIRST are self-motivated with experiences in real-world applications and teamwork -- qualities necessary to succeed in the engineering curriculum at UDM.

SUBMISSION REQUIREMENTS/DEADLINES

To apply for the University of Detroit Mercy FIRST 2000 scholarship, submit the following three items by March 1, 2000. The winner will be announced at the National Championship in April 2000.

Send to:

University of Detroit Mercy
Undergraduate Admissions -- FIRST Scholarship
P.O. Box 19900
Detroit, MI 48219-0900

1. A completed University of Detroit Mercy Application for Undergraduate Admission*
The application fee of \$25 will be waived.
2. One letter of recommendation from a teacher or an engineer on your FIRST team.
3. An essay describing your role on your FIRST team and the impact the FIRST experience has had on your life.

*To request a "FIRST Scholarship Information Packet", please contact Dan Maggio:

Address: University of Detroit Mercy
Dan Maggio, Engineering
P.O. Box 19900
Detroit, MI 48219-0900

Phone: (313) 993-1435
Fax: (313) 993-1187
E-mail: maggiodd@udmercy.edu

ABOUT THE UNIVERSITY OF DETROIT MERCY

The University of Detroit Mercy (UDM) was formed in 1990 with the merger of the University of Detroit (founded in 1877) and Mercy College (founded in 1941). The University has three campuses in the City of Detroit. UDM currently has 6,200 students, 60% women and 36% minority, with a student:faculty ratio of 16:1. The University is composed of nine schools and colleges: Architecture, Business Administration, Education & Human Services, Engineering & Science, Health Professions, Liberal Arts, Nursing, Dentistry and Law.

The College of Engineering & Science undergraduate population consists of 36% women and 23% minority students and offers undergraduate engineering programs in Mechanical, Electrical & Computer, Chemical and Civil & Environmental Engineering. Co-operative education is an integral, and required, part of the curriculum

for all engineering majors. Starting in the summer after their sophomore year, engineering students alternate between fifteen-week terms of school and co-op resulting in approximately one year of job experience by graduation. The University's co-op program, established in 1911 in the College of Engineering, is the oldest in Michigan and the third oldest in the country. The Engineering co-op program is one of many activities in close partnership with the automotive industry.

The College of Engineering & Science also offers students the opportunity for international experience with its Mexican American Partnership Program (MAP). Eligible undergraduate engineering students can spend up to one year in Mexico; two terms studying at Monterrey Tech and one term at a co-op assignment.

FOR MORE INFORMATION ABOUT THE UNIVERSITY OF DETROIT MERCY CONTACT:

University of Detroit Mercy
Admissions Office
P.O. Box 19900
Detroit, MI 48219-0900

ADMISSIONS CONTACT:
ENGINEERING CONTACT:
WEBSITE:

Colleen Ezzeddine, (800) 635-5020, mcgowac1@udmercy.edu
Dan Maggio, (313) 993-1435, maggiodd@udmercy.edu
www.udmercy.edu

6. U.S. COAST GUARD ACADEMY MITE SCHOLARSHIP

The U.S. Coast Guard Academy is offering 6 scholarships to FIRST teams for one student to attend a Minority Introduction to Engineering program at the Coast Guard Academy in New London, CT this summer. The one week program will be held during two separate weeks in July. Each FIRST Team will be given a ballot at the Nationals and they will vote for a team that deserves to have a team member participate in this one week summer program. Teams should evaluate one another to determine which team demonstrates the high level of teamwork and interest in engineering that is the basis of the USCGA MITE program. The six selected teams will be announced at the National Competition, and each selected team can then select one team member to attend the one week MITE program. The scholarship covers all costs for attending the program, including travel.

If you are a junior in high school interested in Engineering or Marine science, then you may be interested in visiting New London, CT for a fabulous summer program. The Minority Introduction To Engineering (MITE) Program is a one week, all expenses paid trip to the Coast Guard Academy to explore the engineering field and its career possibilities. You will be exposed to Civil Engineering, Mechanical Engineering, Electrical Engineering, Marine Engineering, and Marine & Environmental sciences, as well as see what life is like at the nation's smallest federal military academy. You will be with students just like you, from all over the country. But this week will be more than just classrooms. You will go out on boats, play sports, and have fun... all while learning more about engineering. Typical MITEsters have just completed the 11th grade, are in the top 25% of their class and have a B+ or higher average.

**FOR MORE INFORMATION ABOUT THE MITE PROGRAM, VISIT OUR WEBSITE AT:
(www.cga.edu/admiss/mite) or call the USCGA MITE Director, Heather Halverson at 800-883-8724.**

NOTE: Voting will take place on Thursday and Friday, April 6 & 7, 2000. Voting ends at 4:00pm on Friday.

THE SCHOLARSHIP WINNERS WILL BE ANNOUNCED AT THE OPENING CEREMONIES ON SATURDAY, APRIL 8, 2000.

7. WPI DESIGN INNOVATION SCHOLARSHIP

FIRST and Worcester Polytechnic Institute (WPI) are proud to once again announce a bold step for the 2000 FIRST Robotics Competition. This year, WPI and FIRST will award a full four-year undergraduate scholarship to attend WPI to one of the FIRST student participants. With this WPI Design Innovation Scholarship, FIRST continues with an academic strategic alliance to provide FIRST participants with not only an introduction to math, science, technology, and engineering, but an opportunity to pursue studies, gain experience, and choose a career in these exciting fields.

One of FIRST's main goals is to show today's students that it is important to be smart and profitable to use your brain. The addition of this scholarship to WPI is one more way in which WPI and FIRST will show today's students that science and technology can be fun and rewarding.

All teams participating in 2000 FIRST Robotics Competition will qualify for the WPI Design Innovation Scholarship. The winning team will be selected through a vote conducted by all of the teams. Each team will receive **one ballot** containing five criteria with which they must select a first (50 points), second (25 points), and third (10 points) place candidate other than their own team. The criteria includes: (1) the robot with the most innovative design, (2) the team that thrives in a partnership or teamwork atmosphere, (3) the team whose student participants demonstrate enthusiasm for engineering and science, (4) the team displaying the best sportsmanship, and, (5) the best team spirit.

Ballots must be turned in by 12:00 pm on Friday, April 7, 2000. The scholarship award will be presented to the team who receives the most points. The winning team will be announced at The National Championship at Epcot in April. Once the winning team has been selected, the scholarship award will be made to an individual student designated by the corporate member and school advisor of the winning team.

The student selected for the scholarship may be from any grade level and must have demonstrated enthusiasm for engineering and science and possess the ability and innovation necessary to excel as an engineer or scientist. WPI's project-based curriculum is well suited to students with demonstrated ability to take responsibility to thrive in the team environment, to solve problems and to assume leadership; in short, the same characteristics for success in FIRST. The winning student must also meet WPI's admission requirements and must maintain satisfactory academic progress at WPI to maintain the award. Ultimately, the student selected for the WPI Design Innovation Scholarship should exemplify the spirit of the FIRST program.

FIRST would like to congratulate WPI for blazing a trail for other academic institutions to follow. FIRST and WPI remain committed to introducing today's students to the many rewards that science and technology offer. This scholarship will provide a student with the opportunity to obtain an undergraduate degree as a result of their participation and effort in the FIRST program. More importantly, it highlights a key role academic institutions can play in continuing the demand for excellence in science and technology created through the student, teacher, academic institution and corporation partnership.

8. WPI DESIGN INNOVATION SCHOLARSHIP AWARD

Ballot for Team # _____

Criteria for the WPI Design Innovation Scholarship:

- 1. Robot with the most innovative design*
- 2. Team that thrives in a partnership or teamwork atmosphere*
- 3. Team whose student participants demonstrate enthusiasm for engineering and science*
- 4. Team displaying the best sportsmanship*
- 5. Best team spirit.*

Vote for First Place Team: _____
(50 Points) (TEAM NAME) (ROBOT NAME)

Vote for Second Place Team: _____
(25 Points) (TEAM NAME) (ROBOT NAME)

Vote for Third Place Team: _____
(10 Points) (TEAM NAME) (ROBOT NAME)

Please submit your ballot to FIRST at any Regional Competition in March **OR** to the WPI information table (located in the Team Pit Tent) at The National Championship (April 6-8, 2000), **by 12:00pm on Friday, April 7, 2000.**

(STUDENT OR SCHOOL REPRESENTATIVE) (PHONE NO.)

(SPONSOR REPRESENTATIVE) (PHONE NO.)

9. FIRST/WPI FUTURE ENGINEERING LEADERSHIP SCHOLARSHIP AWARD

In partnership with FIRST, Worcester Polytechnic Institute has established a full tuition scholarship for a student to attend WPI to further their education and to pursue a career in engineering, science or management.

This scholarship is intended to be awarded through the normal admissions process at WPI to a student who is a Native American, African American, Hispanic and/or female and is currently a high school senior participating on a FIRST team. The candidate must meet the admissions requirements of WPI and the successful candidate will be selected based on the merit of their application as described below.

In addition to submitting an application for admission to WPI, each candidate will be asked to submit an essay describing how they have demonstrated leadership in their school and specific activities and participation in FIRST. The essay must also include a description of their academic achievements and motivation to serve and succeed and their views about becoming a leader in the field of science, engineering or management. The successful candidate will also demonstrate in their essay their thoughts on the impact of science and technology on our society and how they might personally someday improve that impact quotient. The essay should be no longer than two pages in length.

The WPI admissions process requires letters of recommendation for every applicant for this scholarship. There must be at least one letter of recommendation from a teacher or business leader who is working with the FIRST team on which he or she participates.

Eligible students interested in this scholarship should write to WPI for admissions material and an application form for the **FIRST/WPI Future Engineering Leadership Scholarship**:

Worcester Polytechnic Institute
Admissions Office
100 Institute Road
Worcester, MA 01609

Attn: FIRST/WPI Future Engineering Leadership Scholarship Award

Ph: 508/831-5286
e-mail: admissions@wpi.edu
web site: <http://www.wpi.edu>

Scholarship Application Deadline:

All applications must be submitted to and received by WPI by February 15, 2000. They will be reviewed by a committee at WPI in time for the scholarship winner to be announced at the FIRST National Championship the weekend of April 6-8, 2000.

About WPI:

WPI, founded by New England industrialists John Boynton and Ichabod Washburn and their associates in 1865, is the third oldest technologically oriented college in the country. An independent university, WPI awards bachelor's, master's and doctoral degrees. WPI's 2,700 students (600 women, 2,100 men) come from 45 states and 68 countries. There are also 1,050 graduate students (400 full-time and 650 part-time). WPI leads students to develop an excellent grasp of fundamental concepts in their principal area of study; to lay a foundation for lifelong renewal of knowledge; to gain a mature understanding of themselves; and to form a deep appreciation of the interrelationships among basic knowledge, technological advance and human need. Through WPI's

distinctive, project-based curriculum, students acquire the important skills of teamwork, practicality and ingenuity.

