

College News Snippets –

September 2007

Colby Community College (KS): Offers two program in the veterinary field: veterinary technology (VT) and pre-veterinary medicine. The pre-vet program is a 2-year a transfer program where students intend to enter a college of veterinary medicine in KS or one of the surrounding states. Students should have long-range goals in mind since it takes a minimum of 7 years to complete a D.V.M. degree. High School students are encouraged to take math and science courses, especially, chemistry and physics and corresponding math courses. The vet tech (VT) program is a career-oriented program where graduates are qualified to find employment with veterinarians. Upward mobility is increasing as universities and corporations seek experience vet techs. High school students are encouraged to pursue a curriculum rich in science and math, especially, biology and chemistry. For more info contact: Jennifer Martin, DVM, at Jennifer.martin@colbycc.edu.

Colorado State University: The application process and admissions standards reflect major changes for new students. CSU is now a member of the Common Application effective September 1, 2007. CSU prefers students to apply online using one of the following options (though printed apps are available by request): 1) Common Application at www.commonapp.org, may be the best option for students applying to multiple Common App schools in and out of the state of Colorado. 2) Complete CSU's institutional online application at admissions.colostate.edu, is recommended for students not applying to other Common Applications schools. CSU has developed new admission standards effective in Fall 2008. Priority consideration is given to students who complete specified 18 academic units (4 yrs of English & Math, 3 yrs of National Sciences & Social Sciences, 2 yrs of the same foreign language, 2 yrs of electives in specified courses) with a minimum 3.25 GPA, but all interested student are encouraged to apply since CSU will also conduct individual reviews of applicants. Applicants will also be required to submit a minimum of a 250-word essay, a teacher or counselor recommendation (which is printable from the website). Freshman Admission Application Priority Filing Date is February 1, 2008. To be considered for merit-based scholarships, freshmen applicants must apply for admission by the priority filing date and be admitted and meet all eligibility criteria by March 1, 2008 to qualify for scholarships. Students are required to submit a \$300 non-refundable deposit that will be applied toward first semester tuition by May 1st.

Iowa State University (IA): New Admission Requirements go into Effect for the Class of 2009. Students wishing to enter Iowa State will be held to the new Regent Admission Index (RAI) requirement. Each applicant has an RAI score based on the following equation:

$$\begin{aligned} & \text{(ACT composite score} \times 2) \\ + & \text{(percentile classrank} \times 1) \\ + & \text{(cumulative HS grade point average [GPA]} \times 20) \\ + & \text{(number of core courses completed} \times 5) \\ = & \text{RAI score} \end{aligned}$$

Students who earn an RAI score of at least 245 and who meet the minimum HS course requirements will automatically qualify for admission. Students who earn less than a 245 RAI score and meet the minimum HS course requirements may still be offered admission, but their application will be reviewed on an individual basis. The 245 RAI score does not represent the minimum requirement for admission to ISU, just the minimum requirement for AUTOMATIC admission. The RAI score rewards students for taking additional core courses during the all-important senior year by encouraging seniors to focus less on protecting their class rank and more on taking challenging courses that better prepare them for college success. ISU has a web-based calculator available at www.admissions.iastate.edu/freshman/requirements.php?action+entry_2009_after. Student may apply at www.admissions.iastate.edu/apply/index.php.

Interdisciplinary Majors are the Future at ISU: Some examples: *Software Engineering* is projected to remain one of the fastest growing fields in the country with the average starting salary for B.S. degrees more than \$60,000. ISU's renowned reputation in both computer engineering and computer science offers a uniquely qualified software engineering degree program. Go to www.se.iastate.edu/ for more info. *Bioinformatics and Computational Biology* represents the exciting and emerging field of genome sequencing. Go to www.las.iastate.edu/bcb/ for more info. *Business Economics* is a balanced program in Business and Economics. For more info go to www.bus.iastate.edu/Undergrad/Cur/.

Nebraska Methodist College (Omaha): Enrollment for the new AS degree, Physical Therapist Assistant (PTA) will start in August of 2008. First-time freshman may apply. Admission criteria include courses in algebra, biology, chemistry and physics. If accepted to the program students must also complete the following college-level courses prior to enrollment in August: College Algebra, English Composition, Medical Terminology. Applications will be reviewed from February – April. Interested students are encouraged to call for more information and specific deadlines.

The Becker Presidential Scholarship has been increased to \$8000 for four years. Eligible applicants must be accepted/applying to the BSN program and meet one of the three criteria: GPA 3.5 or above, ACT: 25 or above or class rank: top 10%. The application deadline is January 15, 2008.

The college is experiencing a high volume of interest and applications this year for health care programs. Enrollments are limited in all programs. Applications for Fall 2008 will be reviewed though March. Applications are online at www.methodistcollege.edu.

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Nebraska Wesleyan University: Nebraska Wesleyan accepts scores for ACT & SAT tests taken only through December of the student's senior year, and the class rank of the first semester senior year on the transcript to determine scholarship eligibility. Wesleyan uses the highest score for tests taken through December, or highest class rank.

Southeast Community College in Milford: SCC automotive programs underwent rigorous evaluation and received national certification by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE). The Automotive Technology Program, Daimler Chrysler (CAP) College Automotive Program Ford (ASSET) – Automotive Student Service Educational Training Program, and the General Motors (ASEP) – Automotive Service Educational Program all received certification. These programs were certified in Engine Repair, Automotive Transmission/Transaxles, Manual Drive Transmissions and Axles, Suspension and Wheel Alignment, Brakes, Electrical Systems, Heating and Air Conditioning and Engine Performance. Nationally accepted standards of excellence in such areas as instruction, facilities and equipment were used

University of Missouri Kansas City School of Medicine: Has a combined 6-year BA/MD program. Med students also benefit from innovative learning communities called “docents” (“Docent” derives from the Latin “docere,” to teach) made up of 10-12 students under the guidance and training of a team of clinical physicians. Years 1 & 2 is geared toward courses that fulfill baccalaureate degree requirements. Year 3 intensifies basic medical science classes and prepares students for increased clinical responsibilities, and students are paired with a mentor. Year 4 is spent in clinical assignments working at either the Truman Medical Center or St. Luke's Hospital. Years 5 & 6 are spent in month-long rotations. Typical courses include: psychiatry, surgery, emergency rotation and obstetrics/gynecology.

UNK: Has a variety of exciting news. UNK hosts a CAATE accredited program in Athletic Training. For more info email Scott Unruh, Ed.D. at unruhsa@unk.edu. UNK is also offering a new program in conjunction with the NE Army National Guard called the Guard Officer Leadership Development (GOLD) program where students can become a Commissioned Officer in the National Guard. For more info go to www.unk.edu/GOLD. The College of Business and Technology (CBT) have various accredited programs of study. Interested student can check out the DVD located in the WHS Library, or for more info go to <http://www.unk.edu/acad/bt/>.

UNO: Campus Visit Program start Sept. 17 through Dec. 7, 2007, and Jan. 21 through Apr. 25, 2008; Monday through Friday at either 9:30 a.m. or 12:30 p.m. Students need to register for a campus visit 5 to 7 day in advance, so parking permits and a campus map can be mailed to them prior to their visit. Students will need an email address to sign up for a MavSpace account in order to schedule a campus visit or open house. The web address is www.BEaMAV.com, then click on “Get Started”. MavSpace accounts give students flexibility in signing up for campus visits, open houses, or requesting info about UNO at one convenient location. Students can access UNO via email at unorecruitment@mail.unomaha.edu, via Internet at www.ses.unomaha.edu, or toll-free at 1-877-884-MAVS.

Washington University (St. Louis, MO):

Think outside the box when you think engineering. In 20 short years biomedical engineering has become the discipline of choice for a very talented and diverse group of students studying at Washington U. What high school students may not know is that engineering is becoming a discipline of choice for those who enjoy math and science – no matter what their ultimate career path. Today's engineering grad pursuing careers in medicine, law, business, architecture, public policy as well as engineering. Projects undergrads at Washington U. are working on with faculty include inventing new surgical devices that help neurosurgeons remove brain tumors, developing new bioactive materials and drug delivery systems that might soon allow damaged spinal cords to be repaired, developing ideas in nanotechnology that could revolutionize the treatment of cancer, and inventing and methods for capturing brain signals to that a paraplegic might operate a wheel chair of other mechanical/electrical device simply by thinking about the operations. Washington Un has the country's only Department of Energy, Environmental and Chemical Engineering that is attracting students interested in contributing to solving the world's most challenging problems involving energy and environment.

Mission to Mars. With the help of Washington U undergrads, NASA's latest mission to Mars should be a triumph. Students worked for six months using thermal imaging data and a special software program to count rock and determine their size to identify a relatively rock-free site that is rated 98% safe as a landing site. Large rocks can damage the spacecraft or prevent its solar panels from properly deploying and providing power. Phoenix Mission is schedule to land on Mars next spring. Washington U. also led the effort to design the spacecraft's robotic arms, which is responsible for digging the ice samples for the mission.

Two courses with long-lasting impact: Calculus & Physics. Washington U. strongly recommends students take physics and calculus in high school so high school students can hit the ground running once they step on campus. Choosing more rigorous classes serve as a foundation for academic growth in college. Whether students are interested in architecture, engineering or the sciences, exposure to physics prior to college helps, since physics is a required course for all of these areas. Many science courses building upon each other, so a foundation with physics comes in handy for future biology or chemistry courses as well. Similarly, calculus is an essential course to take if is available in high school. Many academic areas (business, medicine, architecture and engineering, to name a few) require knowledge of calculus. Students interested in medicine, are particularly encouraged to have both calculus and physics before beginning studies on their path to medical school. If these classes are not available at high school, or don't fit into the student's high school schedule, students should check local community colleges options.