Get the most from Exploration Day:

**Prioritize**
Look at the schedule and choose the sessions that are most important to you. If you have not yet narrowed your focus to a specific department or program attend several departmental presentations. You do not have to sign up for these sessions.

**Try Something Different**
If possible, attend a session that is outside of your current interest – it may surprise you. Many are surprised by the overlap between programs. The college is focused on educating students to solve our great global challenges. All of our departments do work that impacts energy, the environment, and human health.

**Ask questions**
Faculty, staff, and current students are available to answer questions during panel discussions, presentations, and between sessions. We encourage you to take advantage of the opportunity to make these connections.
1. **Tour the College and the Engineering Academic Village**
   Take a student-guided tour of the College of Engineering. We try to limit tours to 10 total people so you have ample opportunity to ask questions. And, check out our living and learning community, Engineering Academic Village, designed specifically for engineering freshmen.
   - 113 double rooms and 25 singles all with air conditioning and private bathrooms
   - Electronic classrooms and design studios on the first floor
   - Graduate teaching assistant apartments
   - Commons dining building

2. **Sit in on Department Presentations**
   Much of the College’s work centers around energy, environment, and human health. The morning departmental sessions offer a great deal of information about the course of study within each department and the types of careers that our alumni enjoy, from design engineer to space science engineer to governmental official to engineering educator. There are many pathways in engineering and department representatives will discuss directions you might take with an engineering degree from Colorado State.

3. **Ask the Experts**
   Aside from academic reputation and the fact that our graduates get good jobs, students choose CSU because of our friendly campus. Take part in a panel discussion with our students or ask questions of our students and find out for yourself. We want to help answer your questions and make your visit productive and enjoyable!

4. **See Student Research and Meet Design Teams**
   Don’t miss talking with our students during laboratory demonstrations, panels, or even when they are walking groups from place to place. Make sure you connect with our students to learn more about their experiences studying engineering.

5. **Experience Fort Collins**
   The Fort has more than 45 public parks (600 acres), three swimming pools, five golf courses, an ice skating center, a 60-mile recreational trail system, and 40,000 acres of natural areas with easy access to hiking, climbing, camping, jogging, cycling, horseback riding, fishing, rafting, and kayaking. The 6.5-mile Horsetooth Reservoir is popular for fishing, boating, and camping.

Fort Collins accolades include:
- 13th Best Place to Live: Livability.com, Sept 2015
- 9th Best Bike City, Bicycling Magazine, Sept 2014
- Ranked 7th on Best Places for Business and Careers, Forbes, Aug 2013
- 2012 Top Downtown in the Country: Livability.com, Nov 2012
- 4th Most Intelligent Midsize City, My Life, June 2014

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**Engineering Programs of Study**
- Biomedical Engineering (C, m)
- Chemical and Biological Engineering (M)
- Civil Engineering (M, c)
- Soils and Water Resource Engineering (c)
- Computer Engineering (M)
- Electrical Engineering (M, c)
- Lasers and Optical Engineering (c)
- Energy Engineering (m)
- Engineering Open Option (Prior to determining major)
- Engineering Science (M)
- Engineering Physics (c)
- Engineering Teacher Education (c, with teaching licensure)
- Space Engineering (c)
- International Engineering and International Studies (D)
- Liberal Arts (D)
- Environmental Engineering (M, m)
- Ecological Engineering (c)
- Mechanical Engineering (M)

(M) Major; (m) Minor; (c) Concentration; (C) Major combined with other select engineering majors; (D) Dual Bachelor’s Degree Program

**Our Current Students**

- **Incoming Freshman Academic Profile for Fall 2015:**
  - 3.87 GPA, 27.4 ACT composite; 1235 SAT combined score
  - 40 home states represented

- **Other College of Engineering Data Points:**
  - Undergraduate enrollment: 2528
  - Undergraduate student-faculty ratio 2014-15: 27:1
  - Class sizes 2014-15: 99 in freshman engineering intro sections; 19 in lab sections
  - Internships: from 2009-2013, 70% of those graduating completed at least one internship, and 15% did two or more.
# Engineering Exploration Day Schedule

**8:00 a.m. - 9:00 a.m. - Registration/Check-In** – Lory Student Center Main Entrance

Guests may enjoy a light snack and assorted beverages in LSC Ballroom AB from 8:00am to 9:45am. Engineering Ambassadors and student volunteers will be available to answer questions throughout the morning to help guests choose what sessions will be most beneficial for them based on their interests.

**9:00 a.m. - 9:15 a.m. – Program Welcome**

Engineering Student Ambassadors
Dr. Thomas Siller, Associate Dean of Academic and Student Affairs, LSC Ballroom AB

**9:15 a.m. - 9:45 a.m. – Hot Topics: Admissions, Scholarships, and Housing**

Dr. Thomas Siller, Associate Dean of Academic and Student Affairs, LSC Ballroom AB

**10:00 a.m. - 12:00 p.m. – Department Overview and Lab Sessions**

**EACH SESSION BELOW IS AVAILABLE IN ALL THREE TIME SLOTS:**

10:00am-10:30am – Session Choice One  
10:45am-11:15am – Session Choice Two  
11:30am-12:00pm – Session Choice Three

**Session Choices:**

- Biomedical Engineering Overview – Dr. Kevin Lear, Professor – LSC Cherokee Park Ballroom
- Biomedical/Chemical & Biological Engineering Lab – Mammalian Culture Lab – Tour Guide Jackie Foss – Scott 367
- Biomedical/Electrical Engineering Lab – Microscopy I Lab – Tour Guide Dave Smith – Scott 370A
- Biomedical/Mechanical Engineering Lab – Bio-inspired Surfaces Lab – Tour Guide Matthew Scott – Scott 361
- Chemical & Biological Engineering Overview – Dr. Brad Reisfeld, Associate Professor – LSC 372-374
- Chemical & Biological Engineering Lab – Undergraduate Lab – Dr. Gordon Smith, Instructor – SCOTT 261
- Civil Engineering Overview – Dr. Charles Shackelford, Department Head – LSC 386
- Civil Engineering Lab – Stephanie Pilkington, Graduate Student – Structures and Materials Lab - A10
- Civil Engineering Lab – ASCE Steel Bridge and ASCE Concrete Canoe Team Members – Concrete Lab, ENGR A11
- Civil Engineering River Flow demonstration – Tess Hansen, Graduate Student – Fluids Lab, ENGR A4
- Electrical & Computer Engineering Overview – Dr. Edwin, Professor and Karen Ungerer, Advisor – LSC 382
- Electrical & Computer Engineering Student Project Open House featuring sophomore and senior projects – ENGR B106
- Engineering Science Overview* – Dr. Thomas Siller, Associate Dean – LSC Grey Rock Room
- Environmental Engineering Overview – Dr. Pinar Omur-Ozbek, Assistant Professor – LSC 376-378
- Environmental Engineering Lab – Environmental Engineering Society Members – Water Quality Teaching Lab, SCOTT 268
- Mechanical Engineering Overview – Dr. Patrick Fitzhorn, Professor – LSC North Ballroom
- Mechanical Engineering – Formula Style Racecar (FSAE) – ENGR Central Hallway
- Mechanical Engineering – Engineering Manufacturing Education Center (EMEC) Tours – ENGR B9

**12:15 p.m. - 1:30 p.m. – Lunch on your own** (See back of brochure for nearby lunch options including limited venues at the LSC Food Court and Ram's Horn Student Dining Center) and

College of Engineering Tour #1 – Tours will meet at ENGR 100 and
Society of Women Engineers (SWE) Meet and Greet – SCOTT Atrium

You must sign up for the College of Engineering Tour in LSC Ballroom AB prior to the Program Welcome, as there are limited spots. This tour will meet at ENGR 100 at 12:15 before proceeding for a 60-minute tour led by an engineering student ambassador. This tour will allow you an opportunity to check out classrooms and labs, ask questions, and hear first-hand experiences from a student.

**1:30 p.m. - 2:30 p.m. – Student Panels**

Engineering Student Life Panel – LSC North Ballroom
Students will discuss life as a CSU Engineering student by discussing topics ranging from homework and studying to intramural sports and social life. Guests are encouraged to ask any questions they may have.

Co-op Panel: Straight from Students – SCOTT 101 (Harper Auditorium)
Our Cooperative Education Program is an academic rotational program in which students work at least three semesters in a work assignment related to their major. Each work semester, students register for one credit hour of Engineering Cooperative Experience to maintain their full-time status. Three co-op credit hours may be substituted for a technical elective in their major. Co-ops gain at least a year of experience, typically with the same employer. They also earn a competitive salary. This panel session provides insight into how students can successfully pursue a co-op job, the advantages of co-oping, lessons learned while living the co-op life, and more.

* This overview will be presented during session choice 1 and 2 only.  

Schedule continued on back page
Schedule continued from page 3

1:45 p.m. - 4:00 p.m. – College of Engineering and Academic Village Tours

1:45 p.m. - 2:45 p.m. – College of Engineering Tour #2 - meet inside ENGR 100
You must sign up for the College of Engineering Tour at check-in. This is a 60-min tour led by an engineering student ambassador. This tour will allow you opportunity to check out classrooms and labs, ask questions, and hear first-hand experiences from a student.

1:45 p.m. - 4:00 p.m. – Continuous Academic Village Tours - meet outside of ENGR 100
There is not a sign-up process for AV tours. Volunteers will leave every 15 minutes to walk guests to AV, a living and learning community that houses freshmen engineering students. Guests will be escorted back to the the Engineering Building.

3:00 p.m. – 4:00 p.m. – College of Engineering Tour #3 - meet inside ENGR 100
You must sign up for the College of Engineering Tour at check-in. This is a 60-min tour led by an engineering student ambassador. This tour will allow you opportunity to check out classrooms and labs, ask questions, and hear first-hand experiences from a student.

Experience Student Dining
Experience the Ram’s Horn Dining Center. Ram’s Horn is a very popular dining hall for engineering students as it is located in the Academic Village complex.

Please Visit Us Again
During Exploration Day, our student ambassadors provide as many small-group tours as possible. If you were not able to take a tour during the event, visit again. To sign up for a personalized College of Engineering Tour, please visit www.engr.colostate.edu/tours.php.

Departmental Academic Advisors:

<table>
<thead>
<tr>
<th>Engineering Open Option (undecided)</th>
<th>Civil and Environmental Engineering</th>
<th>Engineering Science</th>
</tr>
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</tbody>
</table>

Restaurants nearest the College:

A. LSC Food Court, limited venues open
B. Ram's Horn Student Dining Center
C. Cafe Bluebird, 524 W. Laurel; salads, sandwiches, full breakfast menu
D. Mug’s Coffee Lounge, 306 W Laurel St.; coffee, sandwiches
E. Celestino’s, 306 W. Laurel; pizza
F. The Rainbow, 212 W. Laurel; vegetarian
G. The Boot Grill, 130 W. Laurel; Americana
H. Toy's Thai Cafe, 128 W. Laurel; Thai buffet
I. Pizza Casbah, 126 W. Laurel
J. Pickle Barrel, 122 W. Laurel; sandwiches
K. Chipotle, 649 S. College; burritos
L. Noodles & Company, 650 S. College, pasta
M. Fat Shack, 706 S. College, sandwiches