Our Mission

The Center serves to educate, engage and connect engineering students with the tools and information they need to begin their career exploration and beyond. From cover letters and resumes to internships/co-ops and full-time opportunities, The Center covers the complete spectrum of career engagement.

Highlights

- Coordinated Industry Days, an expo event where companies showcased their latest technologies through hands-on, interactive demonstrations for students to engage.
- Launched EV Scholars Program with the goal of connecting engineering students interested in EV and mobility careers with companies looking for talent.
- Over $180K in corporate revenues were brought in to assist with Career Programs; with $36K going to diversity, equity and inclusion student organizations and/or programs.
- Maintained strong engagement with employer and students through hybrid offering of virtual and in-person resources, events and programs.

Fall 2022 Undergraduate Enrollment Composition

Total Enrollment = 5946

<table>
<thead>
<tr>
<th>Major</th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science</td>
<td>31.6%</td>
<td>22.8%</td>
<td>54.4%</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>6.5%</td>
<td>6.9%</td>
<td>7.3%</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>22.8%</td>
<td>22.8%</td>
<td>22.8%</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>6.9%</td>
<td>5.2%</td>
<td>6.3%</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>8.2%</td>
<td>12.3%</td>
<td>10.8%</td>
</tr>
<tr>
<td>Applied Engineering</td>
<td>5.2%</td>
<td>5.2%</td>
<td>5.2%</td>
</tr>
<tr>
<td>Environmental Engineering</td>
<td>3.1%</td>
<td>3.1%</td>
<td>3.1%</td>
</tr>
<tr>
<td>Materials Science and Engineering</td>
<td>1.2%</td>
<td>1.2%</td>
<td>1.2%</td>
</tr>
<tr>
<td>Bioengineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computation Data Science</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Not Specified</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Race</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>58.6%</td>
</tr>
<tr>
<td>Asian</td>
<td>12.2%</td>
</tr>
<tr>
<td>International</td>
<td>12.3%</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>5.2%</td>
</tr>
<tr>
<td>Black/African American</td>
<td>5.2%</td>
</tr>
<tr>
<td>Two or More Races</td>
<td>3.6%</td>
</tr>
<tr>
<td>Not Specified</td>
<td>2.8%</td>
</tr>
<tr>
<td>American Indian/Alaska Native</td>
<td>0.2%</td>
</tr>
</tbody>
</table>
**Student Outreach & Engagement**

In the 2022-2023 academic year there were 5946 undergraduate engineering students.

**CAREER ADVISING**

Our full-time staff and student workers conducted 1,745 career advising appointments.

**Breakdown of Ethnicity in Advising Appointments**

- 45% White
- 29% Non White
- 23% International
- 3% Not Specified

**WORKSHOPS**

Conducted 48 workshops engaging with +700 students

**HANDSHAKE**

MSU’s online recruiting system

- 6,551 total unique student log-ins
- 5,658 students have resumes in the system
- 2,959 students have a complete profile

**FIRST & SECOND YEAR OUTREACH**

Career Cohort Program offered 6 sessions on career readiness topics and activities including career exploration, resumes, interviewing, value propositions, and networking.

163 students participated in at least one session.

“I liked how collaborative and relaxed it was but yet very informative and critical on details on how to improve your professionalism.”

The Escape Room offers a fun and interactive experience for students to learn and practice skills that employers value. Upon completion, participants are debriefed about how utilized skills can be leveraged for internships/co-ops.

441 unique students participants

60% of participants had never been to The Center before

**FRESHMEN ENGAGEMENT HIGHLIGHTS**

During the 2022-2023 academic year, there were 1,768 freshmen engineering students

- 19% had a career advising appointment
- 19% participated in a career event
- 81% have logged in to Handshake
- 74% have a resume in Handshake

**DIGITAL ENGAGEMENT**

Utilized website, social media and a weekly newsletter to share event information, development opportunities & job postings.

**WWW.CAREERS.EGR.MSU.EDU**

36,424 page views and 10,639 unique visitors

110% increase in page views since 2021-2022

300,000 total digital impressions

Instagram saw a 134% increase in reach compared to previous year.

Newsletter Average Open Rate

| General Career Newsletter | 25% |
| Co-Op Newsletter          | 23% |
| Freshman Newsletter       | 26% |

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Building & Maintaining Employer Relationships

In the 2022-2023 academic year there were 9,500+ employers that recruited Spartan Engineers.

Our employer partnership program generated over $180K in corporate revenues to assist with the career programs and student organization support.

EMPLOYER EVENTS
99 employers hosted 189 events targeting engineers.

CAREER EVENTS

Coordinated 18 careers events with 382 employer participants and 1963 unique students check ins.

Student Attendance by Ethnicity (across all events)

- 54% White
- 16% International
- 26% Non White
- 3% Not Specified

Partners Showcase kicked off recruiting season with 21 partners companies and 758 students across 3 events, Freshman Extravaganza, Diversity Leaders Mixer and Career Exchange.

Industry Days brought in 62 companies showcasing their latest technologies through hands-on, interactive demonstrations for students to engage. The event brought in 1126 students with 42% of attendees being freshman & sophomores.

Hosted 6 major specific virtual exchanges with 179 companies, 941 unique students and 4349 1:1 student/employer meetings.

Led the coordination of 4 multi-school virtual career events with 186 companies and 2411 unique students.

APPLICATIONS
2,739 students applied to a job resulting in 45,298 applications submitted.

JOB POSTINGS
+30,000 job postings targeting engineers via Handshake
14% of all postings were remote

Job Postings by Type

- Full-Time: 61%
- Intern/Co-Op: 38%
- Other: 1%

TOP STATES FOR APPLICANTS
- Michigan
- California
- Texas
- Illinois
- New York

TOP INDUSTRIES FOR APPLICANTS
- Internet & Software
- Automotive
- Manufacturing
- Electronic + Computer Hardware
- Construction + Civil

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Experiential Education

EGR X is a series of one credit courses designed to enhance a student's experiential education work term by simulating opportunities for non-technical aspects of professional development and assessment of expectations. In addition, the student will be guided through an in depth appraisal of their post-graduation professional options.

MEDIAN HOURLY WAGE
(SUMMER 2022)

$21.24

COURSE ENROLLMENT (SUMMER 2022 - SPRING 2023)
Throughout the 2022-2023 academic year, we recorded 431 enrollments in EGRX by 339 unique students. This represents only those students who chose to register their experience for credit (approx. 30% of interns / co-ops).

Enrollment breakdown by course

<table>
<thead>
<tr>
<th>Course</th>
<th>Enrollment</th>
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<tbody>
<tr>
<td>EGR 391 (First Experience)</td>
<td>201</td>
</tr>
<tr>
<td>EGR 392 (Second Experience)</td>
<td>99</td>
</tr>
<tr>
<td>EGR 493 (Third Experience)</td>
<td>54</td>
</tr>
<tr>
<td>EGR 494 (Fourth Experience)</td>
<td>30</td>
</tr>
</tbody>
</table>

EGR 193 is a virtual course offered as skill development for students not placed.

Enrollment breakdown by ethnicity

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>54%</td>
</tr>
<tr>
<td>Non White</td>
<td>19%</td>
</tr>
<tr>
<td>International</td>
<td>22%</td>
</tr>
<tr>
<td>Not Specified</td>
<td>1%</td>
</tr>
</tbody>
</table>

TOP EMPLOYERS FOR EGR X

DTE ENERGY (15)
FORD MOTOR COMPANY (8)
DELTA DENTAL OF MICHIGAN (7)
MSU FACILITY FOR RARE ISOTOPE BEAMS (6)
FRAUNHOFER USA, INC. (6)

MICHIGAN SCHOLARS PROGRAM

MSU partnered with the Michigan Economic Development Corporation on a pilot program to foster hiring in the electric vehicle and mobility industries. The goal of the program is to connect engineering students interested in EV and mobility careers with companies looking for talent.

- Student in the program were involved in Career Prep directed at the EV Industry
- We hosted 4 special engagement events where students could connect with companies in the EV Industry
- Successful Scholars will qualify for up to $10,000* in scholarships

ENROLLMENT OVERVIEW

In spring of 2023, The Center launched 3 cohorts with 65 total students.

Breakdown of Ethnicity

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>White</td>
<td>30%</td>
</tr>
<tr>
<td>Non White</td>
<td>50%</td>
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<tr>
<td>International</td>
<td>13%</td>
</tr>
<tr>
<td>Not Specified</td>
<td>4%</td>
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</table>
2022 Graduate Career Outcomes

Class Composition

<table>
<thead>
<tr>
<th>Male</th>
<th>72.6% (602)</th>
<th>Computer Science</th>
<th>25.2% (209)</th>
<th>Electrical Engineering</th>
<th>8.9% (74)</th>
<th>Biomedical Engineering</th>
<th>6.0% (50)</th>
<th>Computer Engineering</th>
<th>5.4% (45)</th>
<th>Material Science &amp; Engineering</th>
<th>3.1% (28)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>27.4% (227)</td>
<td>Mechanical Engineering</td>
<td>21.0% (174)</td>
<td>Applied Engineering</td>
<td>8.1% (67)</td>
<td>Environmental Engineering</td>
<td>2.7% (22)</td>
<td>Computational Data Science</td>
<td>0.8% (7)</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Chemical Engineering</td>
<td>11.5% (95)</td>
<td>Civil Engineering</td>
<td>7.2% (60)</td>
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White       68.9% (571) Asian        10.6% (88) International    10.3% (85) Multiracial      3.3% (27) Hispanic        3.3% (27) Black          2.1% (17) Not Available 1.4% (12) Hawaiian/Pacific Islander 0.2% (2)

(boxes are log-scaled for clarity)

Top Destinations

Of the 660 graduates reporting destinations, 56.7% (262) were employed in Michigan, and 75.8% (350) reported employment in the Midwest.

by Employer

by State

by City (MI)

by City (non-MI)

(* denotes metropolitan area, including suburbs)

KEY STATS
Data Represents Spring 2022 Graduating Undergraduates

86.9% Knowledge Rate (660/759 responses)

98.2% Placement Rate (614/625 employed or continuing education)

$73,881 Average Starting Salary

$72,500 Median Starting Salary

81.8% Engaged in full- or part-time employment

14.7% Enrolled in graduate school or other continuing education