The purpose of LIFT is to serve the research and scholarship activities of the Pavlis Honors College. As described in the college’s mission, the Pavlis Honors College will work in partnership with the campus community to:

- Identify and provide opportunities for ALL motivated students to enhance their education,
- Foster an inclusive and supportive environment built on high-quality and lasting relationships,
- Challenge and guide students to take ownership of their education through transformational learning experiences, and
- Emphasize integrative and interdisciplinary learning and empower students to design their unique contribution through engagement, reflection, leadership and innovation.

LIFT supports several programs designed to enhance the education of any undergraduate student on campus regardless of academic discipline, grade point average or class standing. LIFT-sponsored programs include:

- Enterprise
- I-Corps Site Program (designed to foster entrepreneurship and commercialization)
- Innovation Center for Entrepreneurship (ICE)
- Research Scholars Pathway including funding opportunities {Undergraduate Research Internship Program (URIP), Michigan Space Grant Consortium}

Through the above listed programs, pathways and research funding opportunities, the Pavlis Honors College impacts well over 1,000 students/year and generates funds for several student experiential learning opportunities.

- In 2018-19, The Enterprise Program Office secured $528,761 in total project value support and $21,594 in gift-in-kind support for Enterprise teams.
- A total project value of $271,813 was secured by the Enterprise Program Office for Senior Design teams in Biomedical Engineering, Electrical and Computer Engineering and the School of Technology.
- The Enterprise Program Office secured $6,000 from industrial sponsors to fund the 2019 Design Expo
- The Enterprise Program, with a $50,000 grant secured from the DENSO North America Foundation (DNAF), provided funding to the Advanced Motorsports (AMS) teams for engine dynamometer improvements, vehicle development, and competition expenses. This grant also helped support the annual Winter Baja Invitational event hosted by the Blizzard Baja Enterprise. Finally, the DNAF grant supported (2) data analytics projects in the ITOxygen Enterprise - one involving the predictors of graduate student success, and the other analyzing retention of students in Physics I (PH2100).
- A series of I-Corps Site Program workshops designed to train and encourage participating faculty, staff, community members and students how to think about and develop their ideas for potential marketing and commercialization were held throughout 2018-2019. These workshops were held on MTU’s campus in fall 2018 (11 participants) and remotely with participants in Traverse City (6 participants). 2019 workshops were held in January and February (24 participants) and in May and June (15 participants).
- The Alley maker space expended $10,415 for the purchase of supplies, student payroll and travel for students to conferences in support of Alley maker space design and improvements.
This area is open to all faculty, staff and students on campus to promote design and prototyping.

- The Pavlis Honors College provided twenty seven $800 awards to undergraduate students as part of the Undergraduate Research Internship Program (URIP) with funding from the Portage Health Foundation, the Michigan Space Grant Consortium and supplemented with PHC funds. These $800 awards required a 1:1 faculty match resulting in a total of $43,200 in possible expenditures in student payroll.

- The Michigan Space Grant Consortium provided $78,675 in FY18-19 in funding to Michigan Tech faculty, staff and students through the college to support nine student fellowships ($40K), four programs ($25K), one faculty seed grant (5K), and funds to cover administrative costs ($3,675). Also included in this year’s awards was a $5,000 supplemental award that was used to support additional undergraduate research.

- VentureWell provided $25,500 in financial support to enhance the innovation and entrepreneurial ecosystem at Michigan Tech through the Pavlis Honors.

- The Pavlis Honors College planned and organized the Undergraduate Research Symposium (61 participants) held annually in March to provide undergraduate students engaged in research the opportunity to display and present their work to the campus and local community.

**Facts and Figures Specific to Fiscal year 2018-2019**

The overhead return generated by seven grants and several industry-sponsored projects run through LIFT during FY19 totaled $12,562 ($5,205 from grants -- listed below; $7,357 from Senior Design and Enterprise projects). In addition, four funded projects focused on fostering student research efforts and curriculum development initiatives were administered by faculty within the Pavlis Honors College.

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Funding Agency</th>
<th>Project Title</th>
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<tr>
<td>Lorelle Meadows</td>
<td>National Science Foundation</td>
<td>Microaggressions in Teams</td>
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<td>N. Alaraje/Meadows</td>
<td>National Science Foundation</td>
<td>ETS-IMPRESS</td>
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<td>Mary Raber</td>
<td>National Science Foundation</td>
<td>I-Corps Site Program</td>
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<td>Brad King</td>
<td>USNAS</td>
<td>Status: A CubeSat</td>
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<td>Brad King</td>
<td>UTAHS</td>
<td>Communication Emitters</td>
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<tr>
<td>Susan Amato-Henderson</td>
<td>National Science Foundation</td>
<td>SCLS-IMPRESS</td>
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<tr>
<td>Brad King</td>
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<td>C/S Stratus</td>
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