

HEATH INTEGRATED BUSINESS & ENGINEERING PROGRAM 2019-2020 FACT SHEET

COHORT PROJECTS

EF 203: Engineering Based Problem Solving

Students utilized systems thinking to design and develop a gaming joy stick that allowed people with mobility disabilities to play video games in a collaborative format.

BUAD 200: Integrity: Becoming an Ethical Leader and Effective Communicator

Working with KUB and 7 States Power, student teams developed a campus level strategic plan to govern and manage the installation and operation of electric vehicle chargers on UT's campus.

EF 303: Creating Synergies in Business and Engineering Collaborations

Students responded to a 'TED Talk' from UT Medical Center (Physical Therapy Department) about a wheelchair add-on to help patients with External Leg Fixators. The class designed, prototyped, and developed a business plan for the manufacturing of this wheelchair accessory. The class also developed a pitch-deck to present in a "Shark-Tank" style to local private equity organizations.

BUAD 300: Insight—Becoming Personally and Professionally Aware as a Leader

Students worked with Eastman Chemical to evaluate the feasibility of outsourcing specific divisions to India. They were tasked with creating a change management plan that would attract buy-in from stakeholders.

EXTRACURRICULAR ACTIVITIES

Executive Mentor Program

Students were matched with industry professionals that aligned with their career objectives. The students met with their mentors monthly to create a professional and personal development plan.

- 33 alumni participated
- 12 industries represented

Company Site Visits

Bush Brothers & Company, Deroval Industries, Fresenius Medical Care, Sweetwater Valley Farms, Amazon Fulfillment Center, Cirrus Aircraft Vision Center, Oak Ridge National Laboratories.

STUDENT ACTIVITIES

100% of 2020 students had a job following their graduation with an average salary of 67.5K.

57% of all Heath IBEP students had an academically relevant internship aligned with their career objective during SU20, and a global pandemic.

53% of Heath IBEP students are involved in a honors program on campus.

APPLICATIONS

Students are chosen by individuals from both colleges following a written application, interview, and presentation.

Visit integrate.utk.edu/apply to learn more about the application process.

Applicants	2021	2022	2023
Haslam College of Business	24	30	36
Tickle College of Engineering	40	32	36
Other	2	1	0
Total	66	63	72

Guest Speakers

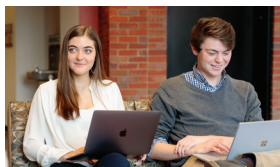
Students heard from 20 speakers, representing 12 different companies, on topics such as career planning, emotional intelligence, and wealth management. Students also participated in a panel on internship best practices.

Networking Events

Students networked with members of the Heath IBEP Steering Committee & Executive Roundtable. They also attended 16 individual and small group networking sessions with prominent executive figures.



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BY THE NUMBERS

Business Majors	2021 Cohort	2022 Cohort	2023 Cohort
Accounting	1	2	1
Business Analytics	4*	3	3
Economics	0	1	2
Finance	2*	3	3
Management	0	0	1
Marketing	1	0	0
Supply Chain	3*	5	2

Engineering Majors	2020 Cohort	2022 Cohort	2023 Cohort
Aerospace	2	1	1
Biomedical	0	1	3
Biosystems	1	0	0
Chemical and Biomolecular	1	0	0
Civil	1	0	1
Computer Science	1	0	3
Electrical	1	2	0
Industrial	2	3*	2
Materials Science	0	0	1
Mechanical	1	4	1
Nuclear	0	0	0

	2021 Cohort	2022 Cohort	2023 Cohort
Average High School GPA <i>(Weighted/Unweighted)</i>	4.3/3.8	4.2/3.8	4.0/3.8
Average ACT	30.1	31.4	30.2
Average Cumulative GPA	3.7	3.7	3.7
Ethnicity Breakdown	African American: 5% Asian: 5% Hispanic: 5% Caucasian: 85%	African American: 4% American Indian: 4% Asian: 16% Caucasian: 76%	African American: 4% Asian: 33% Hispanic: 4% Caucasian: 58%
Gender Breakdown**	Male: 13 (72%) Female: 5 (27%)	Male: 19 (76%) Female: 6 (24%)	Male: 13 (54%) Female: 11 (46%)
Geographic Breakdown Countries Represented	Tennessee: 20	North Carolina: 1 Michigan: 1 Tennessee: 20 Texas: 1 Virginia: 1 Singapore, Japan, Thailand	Georgia: 1 Massachusetts: 1 Kentucky: 1 Tennessee: 21 South Korea, Poland, India, Philippines, Malaysia
UT Honors Programs Represented***	CHP: 4 CGCHP: 5 HL: 3	HLP: 3 CHP: 2 CGCHP: 4	HLP: 2 CHP: 6 1794: 1 CGCHP: 6
Retention Rate	90%	100%	100%

* Dual Degrees: 2021: Supply Chain + Business Analytics; Business Analytics + Finance; 2022: IE + Math.

** Number of women admitted increased by 22 percent from 2022-2023.

*** CHP: Chancellor's Honors program, CGCHP-Cook Grand Challenge Honors program, HLP: Honors Leadership program, HSP: Haslam Scholars program, 1794: 1794 Scholars program.

Chelsea Hooker

(2021 Cohort, Industrial and Systems)



"Heath IBEP has helped me gain new opportunities and skills that I would not have gotten anywhere else. I have gained networking, problem solving, leadership, and communication skills from being a part of this program. The courses we take let us get real world experience and solve real problems beginning as sophomores. This is something I usually would not get to do until my senior year.

We are put in the same room as job recruiters and executives from several different companies. I have been able to meet and grow my network from these meetings. I also learn new skills and various details of the workplace from these meetings. Heath IBEP has been a great opportunity for me and has provided many unique opportunities that set me apart from competition and benefit my everyday life."