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College of Engineering

Intel's Shaping the Future in STEM

INSTRUCTOR

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PROGRAM DESCRIPTION

Intel's Shaping the Future in STEM program is designed to ensure more students persist to graduation with engineering degrees, a career-ready mindset, and a shared vision to create equity in STEM. This program will focus on the concept of career readiness as students with career-ready mindsets will have formed the foundation from which they can demonstrate requisite core competencies that broadly prepare them for success in their degree programs, the workplace and lifelong career management.

LEARNING OBJECTIVES

As a result of participation in this program, each student will consciously approach school, work, and life situations with greater awareness and understanding of the following eight competencies as defined by the National Association of Colleges and Employers.

- **Career & Self Development:** Proactively develop oneself and one's career through continual personal and professional learning, awareness of one's strengths and weaknesses, navigation of career opportunities, and networking to build relationships within and without one's organization.
- **Communication:** Clearly and effectively exchange information, ideas, facts, and perspectives with persons inside and outside of an organization.
- **Critical Thinking:** Identify and respond to needs based upon an understanding of situational context and logical analysis of relevant information.
- **Equity & Inclusion:** Demonstrate the awareness, attitude, knowledge, and skills required to equitably engage and include people from different local and global cultures.
- **Leadership:** Recognize and capitalize on personal and team strengths to achieve organizational goals.
- **Professionalism:** Knowing work environments differ greatly, understand and demonstrate effective work habits, and act in the interest of the larger community and workplace.
- **Teamwork:** Build and maintain collaborative relationships to work effectively toward common goals, while appreciating diverse viewpoints and shared responsibilities.
- **Technology:** Understand and leverage technologies ethically to enhance efficiencies, complete tasks, and accomplish goals.

LEARNING RESOURCES

Seminars. The program will provide six career readiness seminars covering the following topics: (1) Semiconductor Industry; (2) Resume Development; (3) Professional Communication; (4) Ethics; (5) Networking; (6) Teamwork.

Mentorship. The program will provide two opportunities to engage with Intel professionals: (1) Career Development Panel Discussion and Q&A; (2) Intel Tech Talk.

Microcredentials. Each student will select one short-term certificate course from the seven options reviewed and approved by Intel. It is the program's intent that such subject-specific training will enhance student employability for internships and professional positions.

PARTICIPATION REQUIREMENTS

Each student is required to:

- Attend Intel's Shaping the Future in STEM Orientation
- Select and complete one microcredential certificate program online, ethically, at your own pace, within the term of the six-month cohort.
- Attend at least four of the six seminars.
- Attend both mentorship events.
- Respond promptly to staff email check-ins
- Attend the cohort debrief and social

PROGRAM POLICIES

- **Attendance and Participation.** Attendance records will be maintained for the seminars and mentorship events. Individual participation (i.e., asking questions, helping peers) leads to personal growth. Such engagement with speakers and peers is expected.
- **Academic Integrity.** Students are expected to complete 100% of the course material for the Coursera microcredential certificate courses. Students are expected to maintain high academic, ethical, and professional standards of conduct, which requires honesty in all academic matters.
- **Mobile Devices/Laptops.** No student shall utilize mobile devices during seminar or mentorship event presentations. Note taking, if desired, can be handwritten.
- **Stipends.** Students are eligible for two stipend payments of \$250 each. Following participation in Orientation and one of the six seminars, students will receive the first \$250 stipend which deposits to their NMSU student account. The second \$250 stipend is payable at the conclusion of the six-month cohort. Should an individual student fail the participation requirements, their stipend may be reduced.
- **Intel Site Visit.** At the end of each cohort 6-7 students will be selected for an Intel site visit in Albuquerque (travel and hotel funded by this program). Consideration for student selection will be based on adherence to participation requirements, program policies, resume development, and a 250 word (max) statement of interest due NLT March 9, 2024.

ASSESSMENT

Students will complete a program and self-assessment as part of the cohort debrief.