Intel's Shaping the Future in STEM

INSTRUCTOR:

Name: Amanda Madrid

Contact Info: amandadg@nmsu.edu, 575-646-2510

Department: Office of Outreach & Recruitment, College of Engineering

Office: EC1, Room 126

PROGRAM DESCRIPTION

The program's intent is to encourage students to persist through graduation with their engineering degree by developing a career-ready mindset and shared vision, creating equity in STEM amongst their peers.

Students will gain career mentorship/advisement, microcredentials, access to workshops, sense of belonging and a $500 stipend; forming a 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

Using the National Association of Colleges and Employers: NACE Competency Assessment Tool, as a result of participation in this program, each student will consciously approach school, work, and life situations with greater awareness and understanding by applying the following competencies below to their everyday interactions:

- **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.

Intel's Shaping the Future in STEM

- **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.

Source: https://www.naceweb.org/career-readiness/competencies/career-readiness-defined

LEARNING RESOURCES

Seminars: The program will provide six career readiness seminars covering the following topics:

1. Semiconductor Industry
2. Resume and Cover Letter Development
3. Professional Communication and Networking
4. Ethics
5. Mock Interviewing with Big Interview

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:

1. Attend Intel's Shaping the Future in STEM Orientation
2. Select and complete one microcredential certificate program online, ethically, at your own pace, within the term of the three-month cohort.
3. Attend at least four of the five seminars.

Intel's Shaping the Future in STEM

4. Respond promptly to staff email check-ins
5. 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. Student 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 31, 2025.

ASSESSMENT

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