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| Program: | Nuclear Engineering |
| Degree: | BS |
| Department: | Department of Nuclear Engineering |
| Contact Name: | Dr. Lin Shao |
| Contact Phone: | 9798454107 |

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| Outcome | Master the depth of knowledge required for a degree |
| Marketable Skills | <ul style="list-style-type: none"> • The ability to apply knowledge of mathematics, science and engineering • The ability to design and conduct experiments as well as to analyze and interpret data • The ability to design a system, component or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability |

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| Outcome | Demonstrate critical thinking |
| Marketable Skills | <ul style="list-style-type: none"> • The ability to raise vital questions and problems, and to formulate them clearly and precisely • The ability to gather and assess relevant information and to interpret information • The ability to test solutions against relevant criteria and standards and to conclude with transferable knowledge |

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| Outcome | Communicate effectively |
| Marketable Skills | <ul style="list-style-type: none"> • The ability to communicate and function on multi-disciplinary teams • The ability to communicate effectively with experts in the field using professional standards • The ability to formulate and deliver a communication strategy to raise understanding of non-experts outside of the field |

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| Outcome | Practice personal and social responsibility |
| Marketable Skills | <ul style="list-style-type: none"> • The understanding of professional and ethical responsibility • The ability to take professional and ethical responsibilities and engage them in practice • The ability to recognize and act on one's responsibility to the educational community, industry, and wider societies locally, nationally and internationally |

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| Outcome | Demonstrate social, cultural, and global competence |
| Marketable Skills | <ul style="list-style-type: none"> • The ability to examine local, global and intercultural issues, understand and appreciate different perspectives • The ability to understand and communicate harmoniously in multicultural communities |

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| | <ul style="list-style-type: none"> • The ability to understand and evaluate the impact of engineering solutions and practice in a global, economic, environmental and societal context. |
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| Outcome | Prepare to engage in lifelong learning |
| Marketable Skills | <ul style="list-style-type: none"> • The recognition of the need for, and an ability to engage in, life-long learning • The knowledge of contemporary issues • The ability to learn new techniques, skills, and evolving modern engineering tools, and to integrate them with previous knowledge for engineering practice |

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| Outcome | Work collaboratively |
| Marketable Skills | <ul style="list-style-type: none"> • The ability to establish team goals, identify member strengths, assign member duties, perform team works, evaluate team progress in a collaborative project • The ability to communicate openly and effectively, appreciate diversity, and respect others • The ability to work constructively under challenging conditions |