

Dual/Joint Degree Programs at Michigan Tech

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About Michigan Tech

- 900 graduate students (~46% PhD), 5838 undergraduates, 6738 total
- Founded in 1885 to train mining engineers
- Engineering accounts for 55% of enrollment
- High research activity, STEM-dominant, residential
- Among top 20 universities in proportion of research funded by industry
- Average of 12.3 inventions per \$10M of research (2005)
- Ranked as a top 10 *wired* college by *PC Magazine*, 2007
- Forestry ranked 1st and geological engineering ranked 4th by Academic Analytics

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<http://www.keweenawtrails.com/>

U.S. Census Bureau Map

International Agreements

- MOUs => “Let’s talk”, 3-year duration
- Exchange Agreements
 - Students => Unilateral, bilateral
 - Faculty
 - Research
- Articulation Agreements
 - Dual degrees
 - Joint degrees
 - Certificates
- Study Abroad

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Articulation Agreement Processing

- Proposal Stage
 - Faculty, deans, Int'l Programs Office (IPO)
 - Requires contract processing, similar to internal processing of research proposals
- Review Stage
 - IPO, grad dean (grad prog comm), provost
 - Joint degrees – add GFC, Senate, State
- Finalization
 - Provost + President sign off

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Articulation Agreement Components

- Purpose
- Disciplines
- Credit / term equivalencies
- Academic standards (e.g., GPA, GRE, TOEFL)
- Selection / acceptance process
- Tuition payments
- Funding
- Housing
- Health insurance
- Transcript exchange / processing
- Intellectual property
- Termination / renewal

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Articulation Agreement Implementation

- Keys to success
 - Faculty buy-in from the start
 - Development of agreements that meet the needs and adds value to all partners
 - Dependable graduate school staff who will deal with “special cases”
 - Willingness to retire agreements that are no longer of interest to faculty / universities

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Articulation Agreement Example

- Dual Degree w/ Chung Yuan Christian University (CYCU; Taiwan)
 - College of Engineering
 - Bachelor of Science (CYCU) + Master of Engineering *or* Master of Science (Michigan Tech)
 - 4+1 or 3+1+1 MEng; 4+2 MS
 - Applications submitted to Michigan Tech by the dean of the COE at CYCU
 - Low TOEFL scores require Intensive English

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Articulation Agreement Example

- Complications
 - Students enter ME program prior to completing BS
 - ME degree cannot be issued until BS is complete
 - Michigan Tech requires continuous enrollment, must be handled case by case
 - Once students complete BS – must serve in military

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