

2017-2018 Assessment Cycle

Assessment Plan

Mission Statement

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The primary mission of the National Technical Institute for the Deaf is to provide deaf and hard-of-hearing students with outstanding state-of-the-art technical and professional education programs, complemented by a strong arts and sciences curriculum, that prepare them to live and work in the mainstream of a rapidly changing global community and enhance their lifelong learning.

Secondarily, NTID prepares professionals to work in fields related to deafness; undertakes a program of applied research designed to enhance the social, economic and educational accommodation of deaf people; and shares its knowledge and expertise through outreach and other information dissemination programs.

Measures

▼ Mobile Application Development AAS Program Outcome Set

Create effective software solutions

Student Learning Outcome: Analyze real world problems and efficiently code solutions

▼ **Measure:** Mobile Application Development Capstone Projects Course
[NMAD-290]
Course level; Direct - Student Artifact

Details/Description:	Comprehensive
Acceptable Benchmark:	80% of students will score a 2 or higher with a rubric scale 0-3 on project sections related to being able to correctly and efficiently code a solution.
Implementation Plan (timeline):	Each semester the NMAD-290 Mobile Application Development Capstone Projects course is offered. Collected by ICS Dept. Assessment Coordinator
Key/Responsible Personnel:	ICS Dept. Assessment Coordinator

▼ **Measure:** Programming Fundamentals II: Mobile Domain [NMAD-181] - Final Written Exam
Course level; Direct - Exam

Details/Description:	Final Written Exam
Acceptable Benchmark:	80% of students will score a 75% or higher on exam.
Implementation Plan (timeline):	Each semester the NMAD-181 Programming Fundamentals II: Mobile Domain course is offered. Collected by ICS Dept. Assessment Coordinator.
Key/Responsible Personnel:	ICS Dept. Assessment Coordinator

▼ **Measure:** Programming Fundamentals II: Mobile Domain [NMAD-181] - UML Diagram
Course level; Direct - Student Artifact

Details/Description:	Real world problem analysis - UML Diagram
Acceptable Benchmark:	80% of the students will score a 75% or higher on the UML Diagram
Implementation Plan (timeline):	Each semester the NMAD-181 Programming Fundamentals II: Mobile Domain course is offered. Collected by ICS Dept. Assessment Coordinator.
Key/Responsible Personnel:	ICS Dept. Assessment Coordinator

▼ **Measure:** Programming Fundamentals II: Mobile Domain [NMAD-181] - UML Diagram - Code a Solution
Course level; Direct - Student Artifact

Details/Description:	Real world problem analysis - UML Diagram
Acceptable Benchmark:	Given a UML diagram, 80% of the students will score a 75% or higher in being able to correctly and efficiently code a solution.
Implementation Plan (timeline):	Each semester the NMAD-181 Programming Fundamentals II: Mobile Domain course is offered. Collected by ICS Dept. Assessment Coordinator.
Key/Responsible Personnel:	ICS Dept. Assessment Coordinator

Student Learning Outcome: Design, refine and finalize a functional and user-friendly cross-platform user interface

▼ **Measure:** Mobile Application Development Capstone Projects Course [NMAD-290]
Course level; Direct - Student Artifact

Details/Description:	Project TBD
Acceptable Benchmark:	80% of students will score a 2 or higher with a rubric scale 0-3 on the NMAD-289 Project
Implementation Plan (timeline):	Each semester the NMAD-290 Mobile Application Development Capstone Projects course is offered. Collected by ICS Dept. Assessment Coordinator
Key/Responsible Personnel:	ICS Dept. Assessment Coordinator

▼ **Measure:** NMAD-250 Mobile App Design Elements
Course level; Direct - Student Artifact

Details/Description:	Final Project
Acceptable Benchmark:	80% of the students will earn a 75% or higher score on the NMAD Mobile App Design Elements Final Project
Implementation Plan (timeline):	Each semester the NMAD-250 Mobile App Design Elements course is offered. Collected by ICS Dept. Assessment Coordinator
Key/Responsible Personnel:	ICS Dept. Assessment Coordinator

Publish applications across multiple platforms

Student Learning Outcome: Create, secure, test and maintain mobile applications for two or more platforms

▼ **Measure:** Mobile App Development II [NMAD-270]
Course level; Direct - Other

Details/Description: Final Exam or instructor evaluation (Project TBD)

Acceptable Benchmark: 80% of the students will score a 75% or higher on the NMAD-270 Final Exam or Project (TBD)

Implementation Plan (timeline): Each semester the NMAD-270 Mobile App Development II course is offered

▼ **Measure:** Mobile Application Development Capstone Projects Course [NMAD-290]

Course level; Direct - Student Artifact

Collected by ICS Dept. Assessment Coordinator

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Details/Description:

Acceptable Benchmark: 80% of students will score a 2 or higher with a rubric scale 0-3 on each section of the Capstone Project(s)

Implementation Plan (timeline): Each semester the NMAD-290 Mobile Application Development Capstone Projects course is offered. Collected by ICS Dept. Assessment Coordinator.

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Utilize effective professional communication and collaboration skills

Student Learning Outcome: Demonstrate effective verbal and written communication skills

▼ **Measure:** Mobile App Development II [NMAD-270]
Other level; Indirect - Other

Details/Description: Team Project

Acceptable Benchmark: 100% of the students will demonstrate effective interpersonal and communication skills on the team project rubric (peer and faculty evaluations)

Implementation Plan (timeline): Each Semester NMAD-270 Mobile App Development II is offered. Collected by ICS Dept. Assessment Coordinator.

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Student Learning Outcome: Work effectively as a member of a team

▼ **Measure:** Mobile Application Development Capstone Projects Course [NMAD-290]
Course level; Direct - Other

Details/Description:

Acceptable Benchmark: 100% of students will score a 2 or higher with a rubric scale 0-3 on project section sections related to interpersonal and communication skills

Implementation Plan (timeline): Each semester the NMAD-290 Mobile Application Development Capstone Projects course is offered. Collected by ICS Dept. Assessment Coordinator.

Key/Responsible Personnel: ICS Dept. Assessment Coordinator

Indicate overall satisfaction with the program and courses

Student Learning Outcome: Synthesize educational experience to determine level of satisfaction

▼ **Measure:** Student Satisfaction Survey
Program level; Indirect - Survey

Details/Description: Student satisfaction survey instrument. When the survey instrument is developed, indicate specific survey items that you will use for assessment of this outcome.

Acceptable Benchmark: 85% of students graduating will indicate "satisfaction" with Mobile Application Development courses and the program on the Student satisfaction survey instrument.

Implementation Plan (timeline): Collection: Annually at the end of the fall semester beginning AY 2019/2020

Key/Responsible Personnel: ICS Dept. Assessment Coordinator