



MOBILE DEVELOPMENT APPLICATION INSTRUCTION PACKET

Please read through this entire packet very carefully. The application process must be complete by:

FALL: May 15-June 15 of applicable year.

SPRING: October 15-November 15 of applicable year.

Application Information

Application Information

1. Incomplete applications, received at any time, will not be considered or scored. All supporting documentation must be uploaded while completing the online application.
2. To access the online application for this program, applicants must take the MTECH Career Ready 101 Math and English Assessment and score a minimum of 4 for each section. This exam is free to take and can be completed during normal testing hours on a walk-in basis at the Thanksgiving Point Main Campus. There is a waiting period of at least 24 hours for any repeat attempts. Please call the MTECH Testing Center for more information at 801-753-4110.
3. Submitting an application does not guarantee admission to the program.
4. Entry into the program is determined by a competitive, points-based process.
5. There will be a waiting list in order of application point value until the 1st day of class. After that you must reapply during the next application period.
6. The application process will not discriminate based on race, color, national origin, religious background, sexual orientation, age or disability.
7. This is a 903 clock hour program, including a 240 hour externship.
8. All payments of tuition and fees must be made 2 weeks prior to class start date or program acceptance will be rescinded.
9. If you are applying for Federal Financial Aid, please go to <http://mtec.edu/financial-aid/> for more information. You must contact the Financial Aid department immediately upon receiving acceptance to the program in order to have funding by the payment due date. If financial aid eligibility has not been established before this date, your program acceptance will be rescinded.



MOBILE DEVELOPMENT PROGRAM INFORMATION

PROGRAM DESCRIPTION

Programming is exciting and constantly changing. If you love to learn and you love technology this is the right field for you. Mobile Development will enable you to bring your ideas to life. New ideas for apps are talked about everyday among friends. Developers are always thinking of new ways that they can innovate to make every day processes easier with apps. Apple trademarked the phrase, "There's an app for that". There are apps for everything, because of developers. New technologies are enabling new kinds of apps to constantly be built. This class will teach the fundamentals of Mobile Development and give students opportunities to build a large code base. These experiences will enable students to release personal apps to the Apple App Store and the ability to land a job as a Junior Developer. This class will always adopt the newest technologies and stay up to date in order to best prepare students for the job force.

Prior to each student's externship, Mobile Development students may be required to complete a background check through the Utah Bureau of Criminal Identification. Any student found to have a misdemeanor or felony will not be allowed to participate in an externship.

EXTERNSHIP POLICY

Upon satisfactory completion of all exams and payment of all college costs and fees, students are eligible for an externship. The externship of the program can only begin if the student has passed all final competencies. All students must be fully prepared, able, and willing to appropriately represent Mountainland Technical College. Externship placements are arranged at appropriate facilities. The student is responsible for transportation to and from the externship sites. No concession or guarantees can be made in regard to distance, day, time, facility or other student preference. The externship experience is a period of learning, observing and practicing the skills learned in the student's program. Upon completion of an externship site rotation, the extern supervisor will complete an evaluation report of the student's performance. Failure to perform professionally while on externship including speech or demeanor which reflects poorly on the college or affiliated extern site may result in dismissal from the site and/or college. Students are expected to complete their externship experience within the time frame allotted. Students must not schedule breaks or vacations or large life events during their externship nor schedule a break between the end of the classroom portion and the externship period.

PROGRESSION PROCEDURE

All students must maintain a progress at a rate of 85% (B grade) or better. Failing to do so will result in the student being placed on an Academic Success Plan by the instructor. If the Academic Success Plan is not followed and achieved in the timeframe allotted, the student will be put on a probationary contract by the MTECH Academic and Career counselor. If the student does not meet the conditions of the probationary contract by the date indicated, the student may be dismissed from the program.

STUDENT ATTENDANCE POLICY

Due to the hands-on nature of the training received, attendance is very important in all MTECH programs. It is very difficult to make up missed training and as a result, 85% attendance is required in all MTECH programs. However, due to state licensure requirements, some programs have stricter attendance rules that must be met in order to receive the license. These rules will be explained by the instructors of those programs. It is the responsibility of the students to notify the instructor, as soon as possible, as to upcoming absences or emergencies that may arise causing them to miss class.

PROGRAM STUDENT LEARNING OUTCOMES

1. Students are given opportunity to apply key skills obtained in the classroom portion of the program. The externship program is structured to meet and fulfill the following program objectives:
 - Write, review and edit Swift code while working on projects.
 - Troubleshoot and debug code
 - Work in interface builder to create user interfaces.
 - Collaborate with other team members while working to complete defined project goals.



- Utilize Cocoa touch technologies to complete assignments.
2. Upon completion of the classroom portion of the MTECH Mobile Development program, students will participate in a 240 hour externship. During the externship, students are given opportunities to apply their newly developed programming skills while working in a real-world software development environment. Below are some of the primary components of the externship program.
- Students are embedded into existing development teams, or organized into small project groups with other students.
 - Students may select a 20 hour or 40 hour work week schedule (totaling 240 hours).
 - Students engage in tasks and assignments to support product development and/or other special development projects.
 - Students are given opportunity to shadow and collaborate with experienced developers.
 - Students are assigned a supervisor or mentor who acts as a support resource.
 - Students meet or report bi-weekly with the program coordinator to assess experience and progress toward objectives.

MTECH MOBILE DEVELOPMENT PLAN OF STUDY

PROGRAM COMPONENTS	LAB	LECTURE	HYBRID	TOTAL
Application Development Fundamentals	21	12	5	38
Introduction to UIKit	48	24	5	77
Navigation and WorkFlows	23	19	5	47
Tables and Persistence	48	36	10	94
Working with the Web	43	32	30	105
Prototyping and Project Planning	35	19	30	84
Advanced Topics (FireBase, Core Data, Unit Tests, Android Development, Objective-C, CloudKit, Soft Skills)	97	83	35	215
Externship	240	0	0	240
Total	555	225	120	900

MTECH MOBILE DEVELOPMENT CLASS SCHEDULE

(EXTERNSHIP TIMES WILL VARY)

DAYS	TIMES
Monday	7:30 am-10:30 am
Tuesday	7:30 am-10:30 am
Wednesday	7:30 am-10:30 am
Thursday	7:30 am-10:30 am
Friday	7:30 am-10:30 am



MOBILE DEVELOPMENT PROGRAM COSTS

(This cost breakdown covers the entire program)

TUITION (\$2.00 X 900 Enrollment hours)	\$1,800.00
<p style="text-align: right;">Option 1: Program Fee: \$1,850.00 STANDARD</p>	<p><u>MacBook Air</u> Program fee includes: 12" MacBook Air (1.4 GHz dual-core intel Core i7 Processor, Turbo Boost up to 3.6 GHz; 8GB 1866MHz LPDDR3 memory, 512GB SSD storage 1; intel HD Graphis 615; Backlit Keyboard - US English; 1 x Thunderbolt port). THIS OPTION ALLOWS FOR ONLY 1 ADDITIONAL CLASSROOM MONITOR TO BE USED-STUDENT WILL BE RESPONSIBLE TO PROVIDE THEIR OWN ADAPTER IF THEY WANT TO UTILIZE ADDITIONAL MONITORS.</p> <p>*Please note, once the student receives, opens and starts computer for the first time, the device now belongs to the student and cannot be returned to MTECH for a refund.</p>
<p style="text-align: right;">Option 2: Program Fee: \$1,000.00 PRE-APPROVAL REQUIRED</p>	<p>To be eligible for this fee, students must have their own Apple device that meets these specifications:</p> <p>Minimum Requirements: 8 GB Memory; 128 GB SSD; USB or HDMI Ports.</p> <p>Once admitted to the program, students must produce their device and have the Mobile Development Program Coordinator determine if their device is acceptable for use in the program before the lower program fee can be paid</p> <p>DEPENDING ON DEVICE STUDENTS MAY NOT BE ABLE TO USE ADDITIONAL MONITORS PROVIDED IN CLASSROOM.</p>
<p style="text-align: right;">Option 3: Program Fee: \$2,250.00 Option 3 UPGRADE</p>	<p><u>MacBook Pro</u> Program fee includes: 13" MacBook Pro (2.3 GHz dual-core intel Core i5 Processor, 8GB 2133MHz LPDDR3 memory, 128GB SSD storage; intel Iris Plus Graphics 640; 2 x Thunderbolt 3 ports, THIS OPTION ALLOWS FOR UP ADDITIONAL CLASSROOM MONITORS TO BE USED.</p> <p>*Please note, once the student receives, opens and starts computer for the first time, the device now belongs to the student and cannot be returned to MTECH for a refund.</p>
TRAINING MATERIALS AND LEARNING RESOURCES	INCLUDED IN FEES
MTECH FACILITY FEE	\$50.00
MTECH REGISTRATION FEE	\$40.00
TOTAL	Determined by Program Fee Option Choice (see above)



Please Note:

1. Tuition and Fees are DUE once admitted to the Mobile Development Program.
2. If you are accepted you will be notified, by email or phone, of the due dates for the fees.
3. Tuition rates generally change annually on July 1st, and may increase from current rates.
4. The above costs are estimates only. The cost for fees, tuition and any other associated costs are subject to change at any time and without notice.
5. **Please note, if student is accepted into the program and chooses to pay program fees that include a computing device, once the student receives, opens and starts computer for the first time, the device now belongs to the student and cannot be returned to MTECH for a refund.**

WHAT TO BE PREPARED TO DO WHEN APPLYING FOR THE MTECH MOBILE DEVELOPMENT PROGRAM

- Take and pass the MTECH Career Ready Assessment in math and reading with a minimum score of 4 on each section.
- Fill out online application once assessment minimum scores have been achieved.
- Answer application questions and logic problems

WHAT HAPPENS AFTER YOU APPLY

Once the application period is closed, the MTECH Technology Program Director and Coordinator will review all submissions. Applicants may be called in for a personal interview.

Applications will be evaluated using a point system with a standard rubric to select candidates based on the Career Ready 101 Math and English Assessment scores, previous programming or computer technology experience and interview.

A minimum of 20 applicants, with the highest overall scores, will be offered acceptance in the program. All other qualified applicants will be placed on the alternate list. The Mobile Development faculty, Program Coordinator and Program Director reserve the right to interview additional qualified applications if the initial interviewees do not meet minimum standards. Other seats may become available as additional facilities are secured for externship slots.

MOBILE DEVELOPMENT APPLICATION POINT BREAKDOWN

Component	Maximum Point Value
Career Ready 101 Assessment Score for MATH portion (points are calculated based on the following (4=5, 5=6, 6=7, 7=8). Reading Comprehension Score must be passed at a minimum level of 4 (no extra points for a higher score)	8
Questions 1,2,4,5,6,8 are all worth 1 point	7
Logic Question 3	5
TOTAL	20

Applications are only good for one application period. If you apply, but are not accepted, you must reapply at another time. Admission to the program is not guaranteed.

ADDITIONAL INFORMATION YOU WILL NEED IF YOU ARE ACCEPTED:



Interview and alternate notices will be sent out no later than 30 days after the application closing date. Acceptance notifications will be made available after the interviews are conducted and scored.

If you are an alternate you may be notified of an available seat as late as the first day of class.

NOTE: Admission to the program is contingent on: Full payment of tuition, fees and registration with Student Services due 2 weeks prior to the first day of class.

*Mountainland Technical College and the Mobile Development Program reserve the right to make changes to the program and the application criteria at any time based on requirements from the institutional accrediting body (The Council on Occupational Education), and the Program Advisory Committee.