

The Institute for Transformational Learning

Steven Mintz, Executive Director
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U. T. System Board of Regents' Meeting
August 2014



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The Institute for Transformational Learning

Mission, Vision, Initiatives

August 21, 2014



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The ITL's mission is to develop transformational, cross-institutional models of education that are student-centered, industry aligned, personalized, data-driven, and scalable.

These new models will make students dramatically more successful as learners, working professionals, and leaders in their fields.

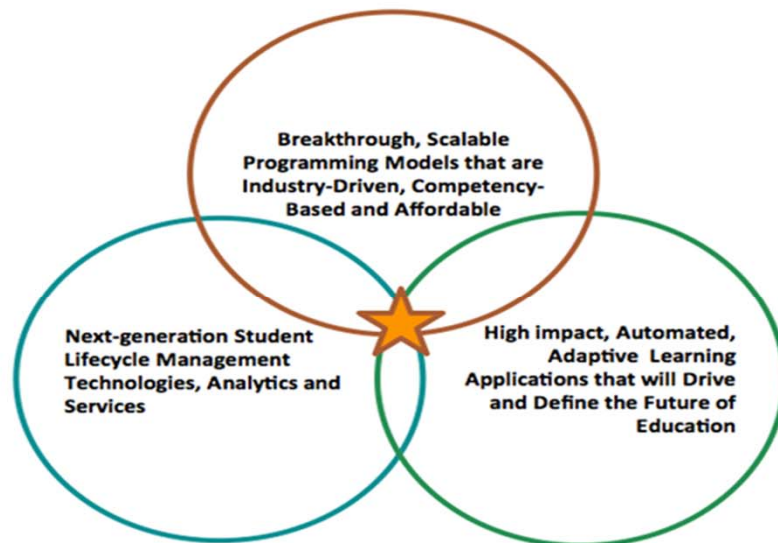


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UTx Initiatives

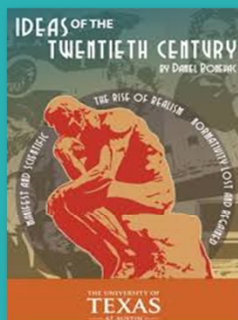
Competency-based
Industry-aligned
Student-centered
Personalized
Adaptive
High Fidelity
Multilingual
Data-driven
Scalable



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UTx Initiatives: edX



Defining the Future of Massive Open Online Education (MOOCs)

In 2012, the ITL entered a groundbreaking partnership with edX to serve students across the U. T. System and around the globe.

Over 181,000 students have enrolled to date in the U. T. Austin MOOCs. This capability is now available Systemwide with new courses coming soon from U. T. Arlington and U. T. Health Science Center - Houston.

Our MOOCs are attracting applicants, engaging alumni, energizing faculty, and inspiring new educational pathways.

- MOOCs for credit
- MOOCs for executive education
- MOOCs for High School students

In addition, instructional assets developed for MOOCs have been repurposed for degree students — both on and offline.



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UTx Initiatives: Project Gateway



U.T. Austin Gateway

The ITL is working with U. T. Austin to develop 30 online gateway and less-commonly-taught foreign language courses.

These courses show how new technologies aim to enhance student learning experiences and improve student success at scale.

The first of the online gateway courses is Introduction to Psychology, taught by award-winning professors Sam Gosling and James Pennebaker and showcased in *The Wall Street Journal*. A large-enrollment class that is still personal, the course requires no textbook and utilizes only free online readings.



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UTx Initiatives: Project Gateway



University of Texas Online Consortium

The ITL is investing in the redefinition and development of a critical mechanism for distributing online courses and programs at scale.

The U. T. Online Consortium (UTOC) is a unique point of access to hundreds of online courses Systemwide.

This clearinghouse will make it easy for students to enroll in online courses cross-institutionally and transfer credit.

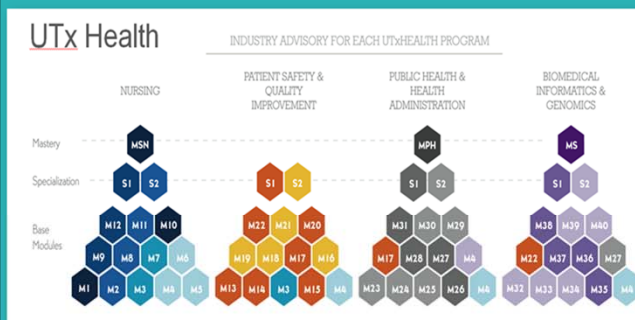
We believe that this will increase student success and completion rates across the U. T. System for the tens of thousands of students taking online courses as a part of their degree path.



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UTx Initiatives: UTxHealth



Launching the Preeminent Educational Marketplace for Health Professionals Worldwide

UTxHealth is a cross-institutional marketplace offering industry-driven, multilingual, stackable modules, certificates, and specializations to health professionals in Texas, nationally, and internationally.

First programs will launch in Spring 2015:
Patient Safety and Quality Improvement
Health Administration
Biostatistics
Biomedical Informatics

First Partners:
U. T. Health Science Center – Houston
U. T. M. D. Anderson
U. T. Health Science Center - San Antonio

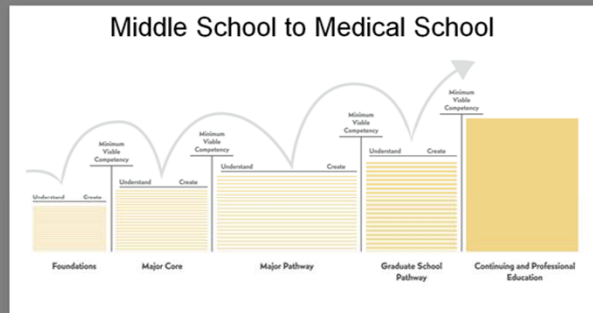
The ITL expects, with the right strategy, module enrollments will grow to 70,000 per year over the next 5 years.



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UTx Initiatives: M2M



Implementing a First-of-its-Kind Competency-Based Biomedical Sciences Undergraduate Degree

The ITL is poised to launch a breakthrough pathway into the health professions at The University of Texas Rio Grande Valley.

Bridging the traditional divides between high school, college, and medical school, UTRGV will launch a first-of-its-kind competency-based, personalized, adaptive, bilingual program that students can start as early as middle school.

Our unique Middle School to Medical School pathway will greatly increase access to engaging, hands-on, success-oriented instruction in science and mathematics, while significantly expanding the pipeline into high demand health occupations

UTRGV's BS in Biomedical Sciences degree program will launch in Fall 2015



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UTx Initiatives: M2M



Re-imagining Medical Education for the 21st Century

U.T. Rio Grande Valley, U.T. Austin, and U.T. Health Science Center – San Antonio are designing a new student-centered model of physician education that takes into account remarkable advances in biomedical science.

Their goal: To advance medical students based on their mastery of essential skills and content rather than upon the amount of time spent in classrooms.

Through the use of new technologies and a competency-based approach to the medical school curriculum, these institutions will ensure that the next generation of clinician scientists possess the new skills and knowledge expected of 21st century doctors.



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UTx Initiatives: Creating the Learning Platform of the 21st Century



With the support of the Gates Foundation, the ITL is partnering with best-in-breed and emergent education technology companies to co-develop a revolutionary stack of services and technologies that will better support our initiatives at scale – across the U. T. System and beyond.

We call this stack our total educational experience – TEx

Our beautiful, engaging, mobile-first learning environment will power:

- adaptive pathways that close gaps and encourage strengths
- personalized, state of the art content and learning objects
- deep integration with applications that allow for high impact pedagogies
- powerful live, networking and collaborative tools to support faculty, students and coaches
- multilingual educational experiences
- breakthrough empirical research

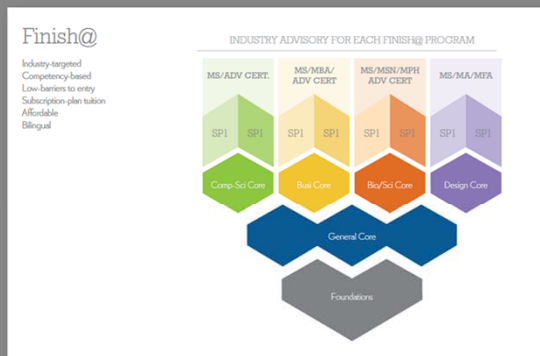
First programs will launch in TEx in Spring 2015.



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Future Initiatives: Degree Completion



Increasing the Number of Texans with a College Degree

The U. T. System's online competency-based Finish@UT degree completion program will provide the 3.7 million Texans with some college and no degree a pathway to a high-demand career.

Designed and delivered in collaboration with campuses across the System, Finish@UT will:

- align with industry needs and industry partnerships
- reduce costs, improve access and optimize time to degree
- garner support and resources from external funders
- drive significant new revenue streams for participating universities

The ITL believes that with the right programming portfolio we could (conservatively) grow this program to 25,000+ head count per year in its first 5 years.



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Leveraging the Strengths of our System



Shared Service Alliance for Distance Education

The ITL has assembled a cross-institutional collaborative which identifies Systemwide academic technology opportunities and challenges and oversees the development of shared services agreements.

Working closely with the Office of General Counsel we have developed 16 new master service agreements on behalf of campuses Systemwide. This work will continue into the future and will result in both new opportunities and substantial savings.



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Faculty: energized, excited, engaged

"The ITL work on our UTxHealth projects has energized faculty in a way that I had never been able to accomplish by myself or with other experts. Large teams of faculty (such as teachers of statistics from six different schools and ten teachers of various aspects of healthcare management) have been able to embrace the ITL approach, take off their content and turf blinders, and work together to build something much better than their individual existing courses and teaching practices. These enduring teaching products have the potential to make a difference across the System and beyond."

Dr. Kay Bartholomew: Associate Dean for Academic Affairs and Professor of Health Promotion and Behavioral Sciences, School of Public Health; U.T. Health Science Center – Houston; recipient of the Regents Outstanding Teaching Award; and a System Distinguished Teaching Professor.

"Working with ITL has taken our initiative for innovation in education from exciting to exhilarating. The UTRGV School of Medicine will select medical students and educate doctors and other health professionals in fundamentally different ways. In collaboration with ITL, we will lead this transformation - the future is really here now."

Dr. Francisco Fernandez: Dean of the Medical School at U.T. Rio Grande Valley

"We are in the midst of a revolution in higher education... We have to find ways to become more efficient, communicating with larger numbers of people. [Offering MOOCs] enables UT to be at the forefront of trying to figure out the new paradigm."

*Dr. Daniel Bonevac: Professor of Philosophy at U.T. Austin
Q and A with Dr. Bonevac: U.T. Austin CCAM 2014*



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Questions?



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UTxHealth (how it works)



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The Student Journey



Discovery

Enrolling

Getting Started

Learning

Getting Help

Continuing



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DISCOVERY

Designed with Industry

Our hypothetical student receives an email from her HR manager inviting her to explore the new UTxHealth program.

The hospital is one of the program's key partners. She is intrigued and plans to return to the email that night.



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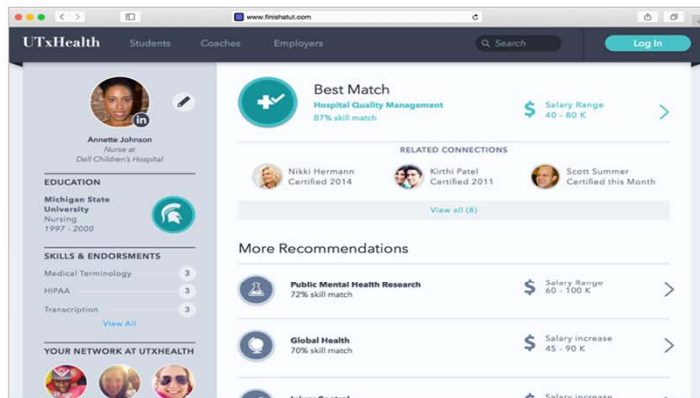
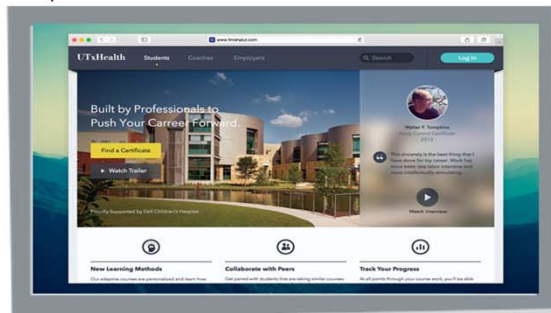
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DISCOVERY

Personalized from the Start

To learn more about the program, our new prospect visits the UTxHealth website and signs in with her LinkedIn account.

She can now see who in her network attended UTxHealth. The site also recommends a few certificate programs based on her skills and experience.

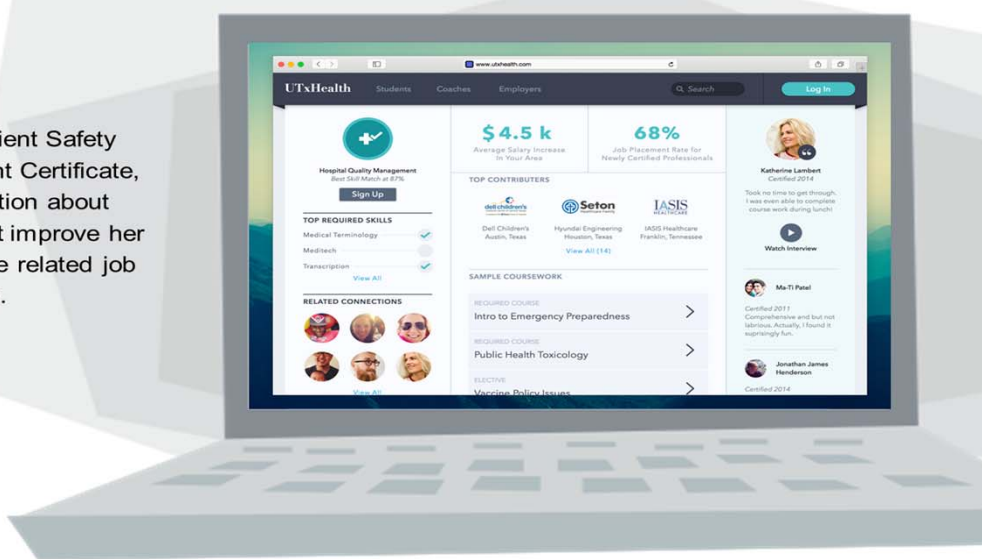


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Clear Value

As she explores the Patient Safety and Quality Improvement Certificate, she gets helpful information about how the certificate might improve her career. She can also see related job opportunities in her area.



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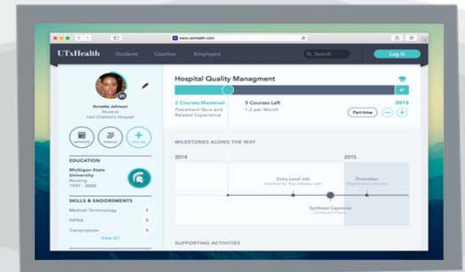
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Optimized Timeline

She decides to pursue the Patient Safety and Quality Improvement certificate.

To see how long it will take her to earn her certificate, she takes an assessment that evaluates her current level of mastery.

She can now see where she should begin and which modules she can confidently skip.



Personalized Pathway

She further refines her plan by inputting her ideal finish date and her part-time availability. The system adjusts her schedule and timeline accordingly.

She'll be able to tweak and change her schedule down the road as things change.

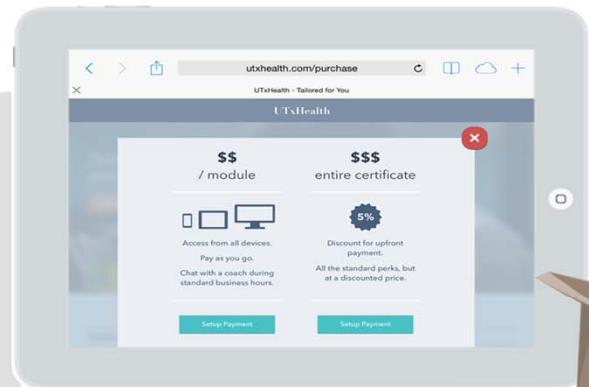


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ENROLLING

Start Anytime

With her plan in place, our new student is ready to start. She goes to the website, selects her certificate program and quickly purchases it. She can begin working whenever she likes.



Simple & Flexible Payment

She has a few options for payment that make it easy for her to enroll within minutes.



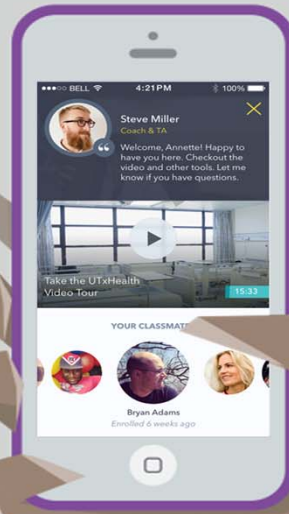
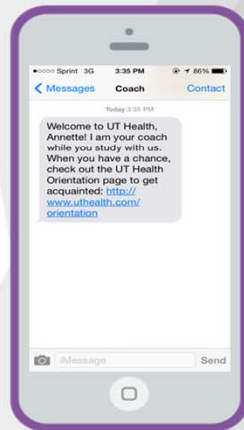
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GETTING STARTED

Empowering On-Ramp

Our new student's learning experience begins with a welcome text from her coach, who will support her through her coursework.

He connects her to orientation tools that will help her feel prepared and confident as she gets started.



Connecting with the Learning Community

She is also introduced to her study group, which includes other students starting the certificate at the same time.



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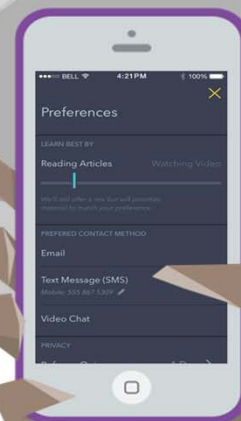
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GETTING STARTED

Customized Experience

She chooses her preferences for communication, privacy and content delivery so the system can better adapt to her preferences and her busy schedule.

At the same time, the system will adjust as it learns what is most successful for her.



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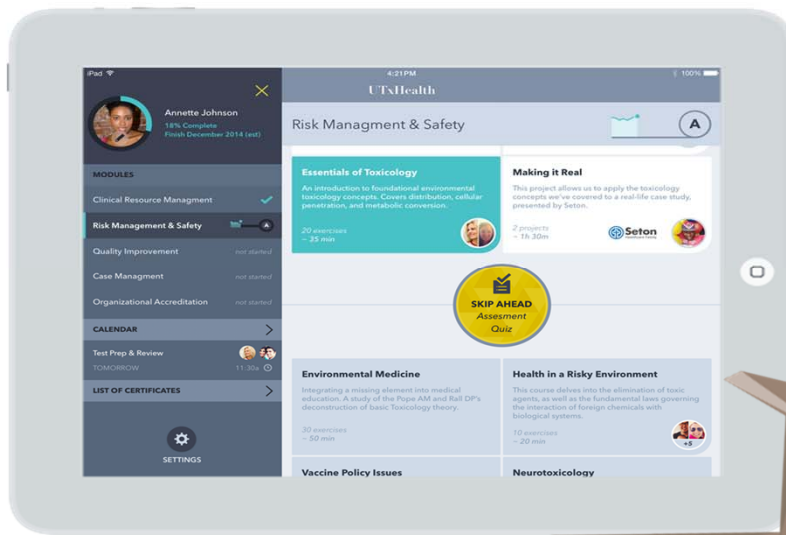
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LEARNING

Clear Direction

As our student works through the modules, the system gives guidance on which activities to tackle next based on her performance, and makes sure she stays on track.

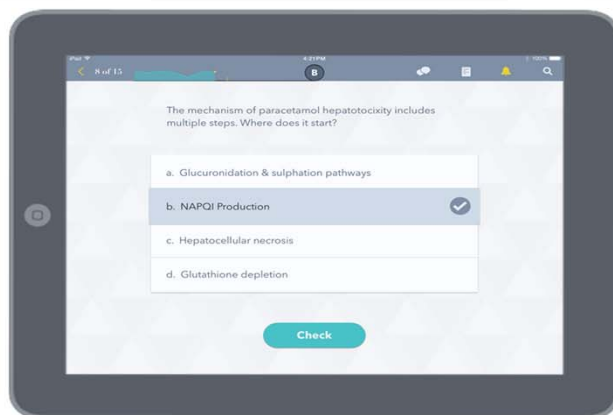
She can clearly see how she's progressing through her current modules, as well as the entire program.



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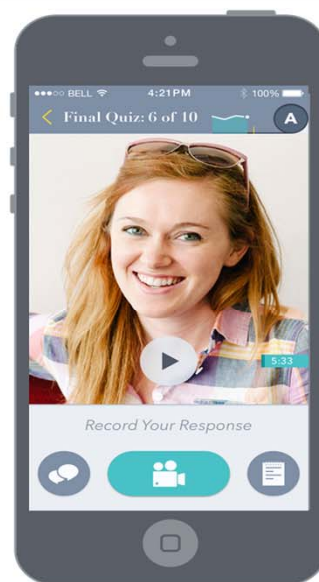
LEARNING



Engaging Exercises

Each module presents a variety of ways she can engage with the material.

The exercises range from engaging interactive assessments, to simulations, collaborative case analyses and team-based learning.



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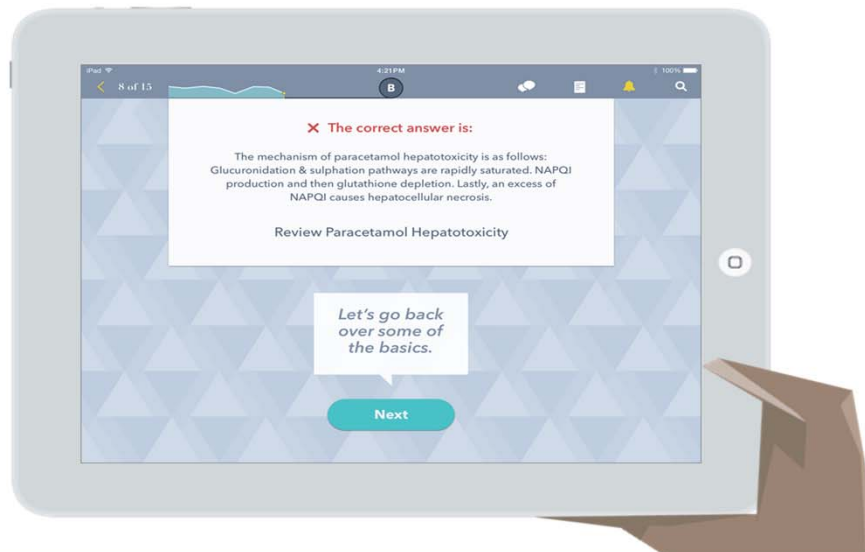
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LEARNING

Adaptive Learning

Our student's pathway through the modules is automatically personalized to her goals, needs and learning preferences.

The exercises adjust their content and degree of difficulty to meet current levels of mastery.



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LEARNING

A Rich Library of Instruction

When she needs additional information to complete an exercise, she can access an array of resources to gain the knowledge she needs – just in time.

The resources are curated by instructors and the Learning Community - and tailored to each student's personal learning preferences.



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GETTING HELP



A Tap Away from Community

One of our student's best resources is her program Learning Community. She can turn to her coach, her instructors and her fellow students with questions, to share her accomplishments, or to seek advice on her future career path.



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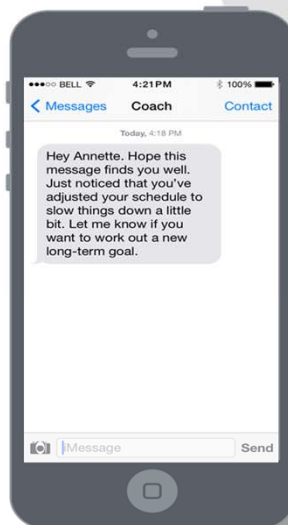
GETTING HELP

Proactive Outreach

When personal circumstances change, our student can adjust her schedule and weekly goals.

In this case, timelines automatically adjust and coaches and instructors are alerted to the change.

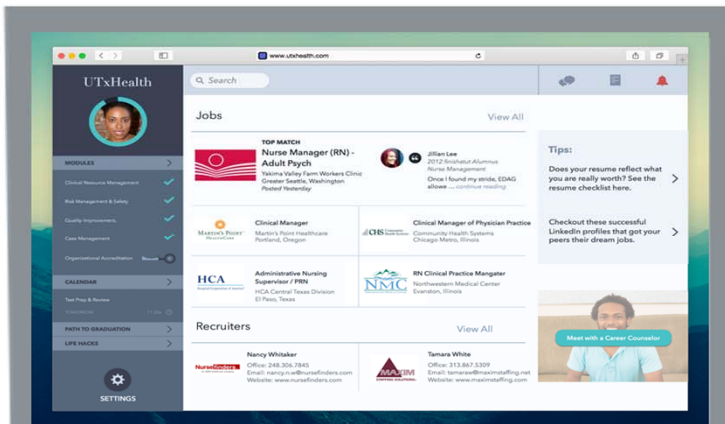
Her coach will reach out proactively to see if she needs any additional support.



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LEARNING



Celebrating Mastery

As our student works through her modules, her achievements are celebrated and shared with her Learning Community.

Her LinkedIn profile is automatically updated and she may receive job postings for positions in her area that reflect her new abilities.



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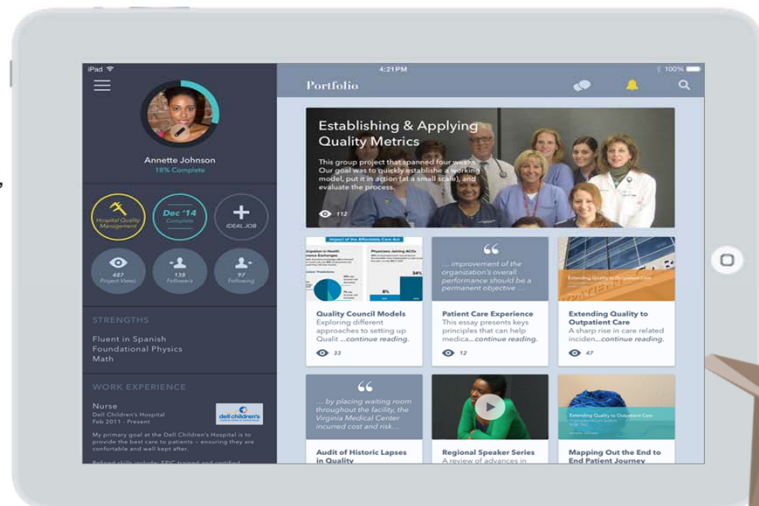
CONTINUING

A Portfolio of Achievement

As our student follows a new career path, she can return to what she learned by accessing her Portfolio.

Her Portfolio automatically collects her favorite learning material and completed projects.

She can also share the portfolio with prospective employers.



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SUPPORT



Life-Long Engagement

Even after our student receives her certificate, UTxHealth supports her continued learning. She receives a regular feed of new developments in her field.

She also receives recommendations for additional certificates and learns that she's not too far away from a Master's Degree in Public Health.



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Thank you!



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