

Institute of Health Sciences and Technology (IHST)

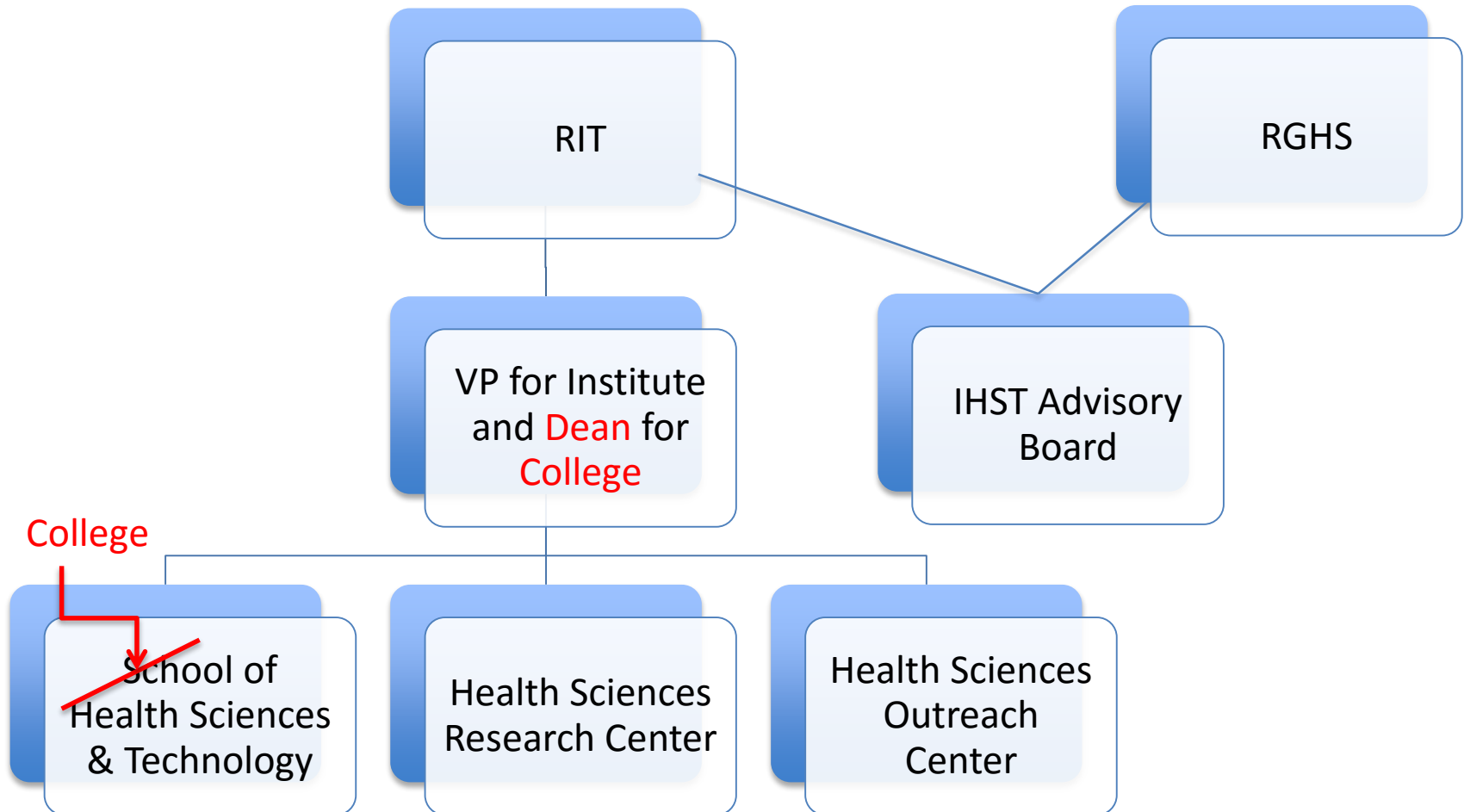
- The case
- Mission
- Org chart
- Initial staffing
- School, research, outreach
- Policy details
- Budget & timeline

- Academic and clinical strengths of both institutions
- Shortage of health-care professionals, particularly those in the allied areas such as physician's assistants, diagnostic sonography, medical technology, medical imaging, medical informatics, etc.
- Opportunity: translational research and innovation work to develop new solutions in the healthcare industry; e.g., developing and deploying new technologies in support of the 'smart hospital'

Mission: The Institute of Health Sciences and Technology will prepare the next generation of healthcare professionals by providing innovative educational and clinical learning experiences, with a strong background in translational research and discovery and the application of evidence-based practices in community health.

- Conduct breakthrough translational healthcare research consistent with RIT's long history of productivity in and dedication to applied research
- Invent unique healthcare technology
- Deliver world-class healthcare education
- Redefine healthcare quality processes

IHST Organization Chart



Initial staffing

- Institute headed by Vice President; will also be Dean of the **College** of Health Sciences and Technology
- Initially, VP will also direct HS Research Center and HS Outreach center; eventually these will be filled
- Institute advisory board to be co-chaired by RIT President and RGHS; will guide the Institute
- Institute will be housed inside Academic Affairs and report to Provost

Existing programs:

- Diagnostic Medical Sonography/Echocardiography
- Nutrition/Dietetics
- Biomedical Sciences/Medical Technology
- Clinical Chemistry
- Health Systems Administration
 - Quality management
- Physician Assistant
- Clinical Research Management
- Medical Illustration
- Other appropriate programs may be affiliated with IHST

Proposed new collaborative programs:

- Exercise/Rehab Science
- Medical Imaging
- Biomedical Sciences
- PA Post-Grad Surgical Residency
- Medical Informatics

Future possible programs:

- Public or global health
- Nursing and/or Nursing Practitioner
- Physical/Occupational Therapy
- Pharmacy
- Surgical Technology/Imaging
- Technology
- Pathologist Assistant
- Medical Physics
- Medical Devices

Some focus areas of research excellence

- Infectious Disease and Immunology (RGHS)
- Cancer, Cancer Vaccines and Blood Disorders (RGHS)
- Cardiovascular Disease (RGHS)
- Health Systems Engineering (RIT and RGHS)
- Biotechnology, Bioengineering, Imaging Science, Computing and Information Science (RIT)
- Deaf Technologies (RIT)
- Medical Devices (RIT)

Regional workforce development programs to build capacity for health care sector

- Retraining displaced workers in lean six-sigma for health care
- Partner programs with regional workforce development agencies
- K-12 programs
- Annual conference on reengineering clinical practice
- Develop/support community health initiatives

Policy details

- Tenure and tenure-track lines will be housed in the **College** of HS & T
- Joint appointments between colleges and Institute; between RIT and RGHS
- Intellectual property and F&A distribution will follow RIT policy AND RIT-RGHS agreements
- Academic policies, such as tenure criteria, to be developed by founding faculty; pretenure faculty will have choice of criteria

Business model

- Revenue streams:
 - Tuition
 - Grants
 - Gifts
- Uses standard RIT academic cost model
- Expenses:
 - Faculty, staff lines
 - Administration
 - Equipment
 - Space

	Year 1	Year 2	Year 3	Year 4
Office of VP staffing	\$394,000			
Faculty and staff positions (includes start-up packages)	\$674,000	\$1,050,000	\$650,000	
Research Center staffing			\$270,000	
Outreach Center staffing				\$189,000
Academic facility				\$27,000,000



Five Year Development Plan

<u>July - November 2010</u>	<u>July 2011</u>	<u>July 2012</u>	<u>July 2013</u>	<u>2015</u>
Decision from RIT and RGHS Boards to proceed	Administrative structure established	Plan for physical structure	Financial model established	Fully functioning Institute of Health Sciences and Technology at new facility
Complete charter for Institute of Health Sciences and Technology	Complete alignment of existing programs		Final plans for IHST facility	
Presentation/discussion of charter with stakeholders	Planning for highest priority new programs			
Begin fundraising	Inventory and programming of existing facilities and planning for initial research and education facilities	Fundraising continues	Fundraising continues	
Inventory and programming of existing facilities and planning for initial research and education facilities	Begin educational and research programs through virtual model			