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
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
IHS&T: Health Sciences Research Center

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

<table>
<thead>
<tr>
<th></th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office of VP staffing</td>
<td>$394,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty and staff positions</td>
<td>$674,000</td>
<td>$1,050,000</td>
<td>$650,000</td>
<td></td>
</tr>
<tr>
<td>(includes start-up packages)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Center staffing</td>
<td></td>
<td>$270,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outreach Center staffing</td>
<td></td>
<td></td>
<td>$189,000</td>
<td></td>
</tr>
<tr>
<td>Academic facility</td>
<td></td>
<td></td>
<td></td>
<td>$27,000,000</td>
</tr>
<tr>
<td>----------------------------------------------------------</td>
<td>------------------------------------------------</td>
<td>------------------------------------------------</td>
<td>------------------------------------------------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>Decision from RIT and RGHS Boards to proceed</td>
<td>Administrative structure established</td>
<td>Plan for physical structure</td>
<td>Financial model established</td>
<td>Fully functioning Institute of Health Sciences and Technology at new facility</td>
</tr>
<tr>
<td>Complete charter for Institute of Health Sciences and Technology</td>
<td>Complete alignment of existing programs</td>
<td></td>
<td>Final plans for IHST facility</td>
<td></td>
</tr>
<tr>
<td>Presentation/discussion of charter with stakeholders</td>
<td>Planning for highest priority new programs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Begin fundraising</td>
<td>Inventory and programming of existing facilities and planning for initial research and education facilities</td>
<td>Fundraising continues</td>
<td>Fundraising continues</td>
<td></td>
</tr>
<tr>
<td>Inventory and programming of existing facilities and planning for initial research and education facilities</td>
<td>Begin educational and research programs through virtual model</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>