CST RESEARCH & SUSTAINABILITY

Robert Levis, Ph.D.
Professor
Director, Center for Advanced Photonics Research
Senior Associate Dean
CST Sustainability Plan

Budget Challenges Opportunities
CST Sustainability Plan

Challenges for CST financial stability

- UG Enrollment: $4K \times $20K = $80M
- Allocated costs: 1\% \times \sim$100M = $1M
- Transfers out of CST: $300 \times $60K = $18M
- State appropriations: $18M in 2015 → $14M in 2018
CST Sustainability Plan

Opportunities for financial stability

• Retain Transfers 200 X $20K X 3 = $12M
• CST Online 100 CIS MS X $50K = $5M
• Post Bac 60 X $30K = $1.8M
• Professional Science Masters 80 X 30K = $2.4M
“Market to the Middle”
Retention Data: Fall 2011-2017

<table>
<thead>
<tr>
<th>Incoming Fall Term</th>
<th>CST FTF</th>
<th>In CST 1 Year Later</th>
<th>Left CST 1 Year Later</th>
<th>CST Retention Rate (%)</th>
<th>TU Retention Rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>879</td>
<td>624</td>
<td>255</td>
<td>71</td>
<td>87</td>
</tr>
<tr>
<td>2012</td>
<td>827</td>
<td>598</td>
<td>229</td>
<td>72</td>
<td>89</td>
</tr>
<tr>
<td>2013</td>
<td>920</td>
<td>656</td>
<td>264</td>
<td>71</td>
<td>90</td>
</tr>
<tr>
<td>2014</td>
<td>873 (880)</td>
<td>602 (605)</td>
<td>271</td>
<td>69 (69)</td>
<td>90</td>
</tr>
<tr>
<td>2015</td>
<td>1005 (1014)</td>
<td>666 (667)</td>
<td>339</td>
<td>66 (66)</td>
<td>90</td>
</tr>
<tr>
<td>2016</td>
<td>1027 (1022)</td>
<td>697 (692)</td>
<td>330</td>
<td>68 (68)</td>
<td>89</td>
</tr>
<tr>
<td>2017</td>
<td>989</td>
<td>683</td>
<td>306</td>
<td>69</td>
<td>88</td>
</tr>
</tbody>
</table>

Note: These data were generated internally, but the retention rates match those reported by IRA.
All values in () are from IRA, and all TU Retention Rates are from IRA, except for Fall 2017.
Welcome to the College of Science and Technology

• Teaching, research, advising & career support
• Reach your educational goals
• The best career choice for a future that matters!
CST is your launch pad for career success

• Medicine, dentistry, physician’s assistant
• Pharmacy and pharmaceutical industry
• Computer and information science
Your path to science careers that soar: end global warming, save endangered habitats, use data mining to improve human health.
CST will get you to your goal with:

- Hands-on research experience
- State-of-the art teaching
- Tailored advising
- International options: Siena, TU Rome, TU Japan & beyond
Real-world research experience with world-class faculty: in the lab, on a computer, in the field

Temple is Top 25 in the world in Google Scholar citations
Commitment to undergraduate research:

- Over $500,000 toward the Undergraduate Research Program this year alone
- Nearly 300 undergraduate research opportunities each year
- More than 1,000 students have participated in URP
Undergraduate research is the key to landing:

• competitive internships

• a spot in top professional and graduate schools

• in-demand jobs
Targeted advising from day one & support services that keep you on track
CST also offers:

• Science & tech-focused job fairs
• Resume reviews
• Interview coaching
• Access to alumni mentors
• Nearly 8,000 CST alumni in Philadelphia region
550

CST students in the Honors Program, more than any other Temple school or college
Put it all together: Choosing CST is your smartest career choice for top jobs

Recent graduates have gone on to:
Want more information?

Ask one of your CST peer advisors.
• Choices:
  Nearly 30 majors across 6 departments; many interdisciplinary options

• More bang for your buck:
  25 accelerated degree options

• TUteach:
  Be a scientist, be a mathematician, make a difference
• Classroom teaching experience—early on
• STEM major with paid internships
• Preparation toward teaching certificate
• Path to making a difference in US science/math education
• Black Pre-Health Association
• Temple Neuroscience Society
• Geological Society of TU
• Scientistas
• Leadership, Education, & Development in Science
• TU Chemistry Society
• Physics Club
• Women in Math
• STEM Teach Society
• AMSA
• TU Biology Society
• Study Abroad
• AMP
Explore the world with our Faculty

Faculty Panel
Remember:

• CST is your launch pad for success; whatever your dream may be

• CST helps get you to the top:
  - medical or professional school
  - computational science careers
  - top graduate programs
Learn more about how the College of Science and Technology and the Office of Pre-Health Studies prepares you for:

- Medicine
- Dentistry
- Physical Therapy
- Pharmacy
- Occupational Therapy
- Physician Assistant
- Podiatry
- Optometry
- Veterinary Medicine

Pre-pharmacy and Pre-Health Advising Session

Session begins at 12:30pm
In SERC 110
What’s Next?

Make Temple Your #1 Choice!

Apply to Temple!

• Speak with current students and faculty in the lobby right after this presentation

• Check out student organizations

• Complete your FAFSA

• Apply for grants and scholarships
Looking forward to seeing you in the fall!

College of Science and Technology

cstadv@temple.edu

www.cst.temple.edu

CST Advising Office: 215-204-2890
CST Online Committee

Alix Davatze, Co-Chair, EES
Seema Freer, Biology
Jamie Payton, CIS
Daniele Ramella, Chemistry
Justin Shi, Co-Chair, CIS
Bernd Surrow, Physics
Vladimir Visnjic, Math
CST Online
CIS Masters

CIS Information Science and Technology Master Program
Roll Out Spring 2019
Data Structures and Objects
Introduction to Mobile App Development

New CST Director of Online Programs
Contract with Office of Digital Education
CST Online
CIS Masters

Target Enrollments:

Information Science and Technology
2021 50 Students $2.5M

Computer Science
2022 100 Students $5M