School of Professional Advancement

125 Gibson Hall
Phone: (504) 865-5555
Email: askscs@tulane.edu
https://sopa.tulane.edu
GENERAL REQUIREMENTS FOR STUDENTS MATRICULATING IN ACADEMIC YEAR: 2017-2018

DEGREE: BACHELOR OF SCIENCE

TOTAL CREDITS: 120

MAJOR: APPLIED COMPUTING SYSTEMS AND TECHNOLOGY

MINIMUM CUMULATIVE GRADE POINT AVERAGE: 2.0

MINIMUM MAJOR GRADE POINT AVERAGE: 2.0

<table>
<thead>
<tr>
<th>CORE CURRICULUM REQUIREMENTS</th>
<th>MAJOR REQUIREMENTS</th>
<th>36 CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>Credits</td>
<td>To Be Selected From</td>
</tr>
<tr>
<td>First Year Writing</td>
<td>4</td>
<td>ENGL 1010 or Equivalent</td>
</tr>
<tr>
<td>TIDES – 1 course in fall semester</td>
<td>1-1.5</td>
<td></td>
</tr>
<tr>
<td>Foreign Language – Competence at 1020-Level (1-2 courses depending on Placement and language)</td>
<td>3-8</td>
<td>Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Latin, Portuguese, Russian, or Spanish</td>
</tr>
<tr>
<td>Cultural Knowledge – 1 Humanities</td>
<td>6</td>
<td>Courses from departments designated Humanities and Fine Arts</td>
</tr>
<tr>
<td>Cultural Knowledge – Social Science</td>
<td>6</td>
<td>Courses from departments designated Social Science</td>
</tr>
<tr>
<td>Quantitative Reasoning 2 Math courses</td>
<td>8</td>
<td>MATH 1210 or equivalent and MATH 1220 or MATH 1230</td>
</tr>
<tr>
<td>Scientific Inquiry – 1 Lab Science 1 Science or Math</td>
<td>4-8</td>
<td>Courses from departments Designated Science and Math</td>
</tr>
<tr>
<td>Writing Intensive</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Public Service – 1st Tier 2nd Tier</td>
<td>3</td>
<td>Refer to Undergraduate Core Curriculum Guide</td>
</tr>
<tr>
<td>Western Traditions</td>
<td>3</td>
<td>Refer to Undergraduate Core Curriculum Guide</td>
</tr>
<tr>
<td>Outside Western Traditions Or Comparative Cultures Intl. Perspectives</td>
<td>3</td>
<td>Refer to Undergraduate Core Curriculum Guide</td>
</tr>
</tbody>
</table>

Students enrolled in Newcomb-Tulane College cannot earn a minor in Applied Computing Systems and Technology.

To complete the required 120 hours, you may choose to take additional courses:

1. In your major
2. Of interest to you
3. To satisfy another major (32 hours)
4. To satisfy another minor (16 hours)

The Degree Plan and other information provided in this booklet serve only as advising tools. Newcomb-Tulane College advisors will help advise you on the core curriculum, decide on a major, and consult on any academic success issues.

Your major advisor (Jim Simmons 504) 865-5555 orsimmon1@tulane.edu will advise you on major requirements.

Students with multiple majors will have more than one advisor and will need to consult with the appropriate advisor.

Be in the Know about your major! By declaring early, you have access to a major advisor, are able to enroll in "majors only" classes, and are on list serves that enable you to receive information about events, internships, and opportunities.

Pre-med and Pre-law students should also consult with the health professions advisors or the prelaw advisors.
GENERAL INFORMATION

• The program in Applied Computing Systems and Technology provides an academic program of study that furnishes a body of knowledge and methods, as well as practice in the application of computing technologies. The program focuses on problem-solving skills and techniques needed to provide computer-based solutions to practical problems.
• Develop excellent interpersonal skills for effective communication with technical and non-technical colleagues.
• Be aware that careers in computers and technology are constantly changing.
• Be prepared to require training and learn new information on a regular basis.
• Certifications are often an important part of training for technical careers. Obtain the certifications that are the most applicable to career goals and interests.
• Gain as much diverse technical experience as possible. Seek positions in computer labs, retail computer/technology stores, or as technological support for any office, organization or business.
• Learn about technology in additional areas such as audio/visual or telecommunications.

SKILLS

• High proficiency in written/oral communications
• Critical thinking skills
• Decision making skills
• Objectivity
• Interpersonal skills
• An aptitude for mathematics

• Be able to analyze, compare, and interpret facts and figures quickly
• Able to clearly communicate your results to clients and managers
• Analytical skills
• Proficiency utilizing computers
• Ability to work independently

<table>
<thead>
<tr>
<th>CAREER AREAS</th>
<th>EMPLOYERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSTEMS DEVELOPMENT</td>
<td>• Financial institutions</td>
</tr>
<tr>
<td>• Analysis</td>
<td>• Consulting firms</td>
</tr>
<tr>
<td>• Design</td>
<td>• Computer companies</td>
</tr>
<tr>
<td>• Support</td>
<td>• Healthcare organizations</td>
</tr>
<tr>
<td>• Systems Integration</td>
<td>• Entertainment companies</td>
</tr>
<tr>
<td>• Database Administration</td>
<td>• Telecommunications companies</td>
</tr>
<tr>
<td>• Business Application Development</td>
<td>• City, state and federal government</td>
</tr>
<tr>
<td>• Chief Information Officer</td>
<td>• Financial institutions</td>
</tr>
<tr>
<td></td>
<td>• Consulting firms</td>
</tr>
<tr>
<td></td>
<td>• Computer companies</td>
</tr>
<tr>
<td></td>
<td>• Healthcare organizations</td>
</tr>
<tr>
<td></td>
<td>• Entertainment companies</td>
</tr>
<tr>
<td></td>
<td>• Telecommunications companies</td>
</tr>
<tr>
<td></td>
<td>• City, state and federal government</td>
</tr>
</tbody>
</table>

NETWORK TECHNOLOGY

• Intranet Development
• Intranet Administration
• Hardware and Software Design
• Support
• Chief Technology Officer
• NW Administration
• System Administration
• Financial institutions
• Consulting firms
• Computer companies
• Healthcare organizations
• Entertainment companies
• Telecommunications companies
• City, state and federal government

INTERNET

• Programming
• Software Design
• Systems Analysis
• Web Site Design
• Web Site Administration
• Network access points
• Hardware & software vendors
• Web site design services
• Organizations with self-managed web sites

NON-TECHNICAL

• Customer Service
• Training
• Sales
• Product Support
• Technical Writing
• Marketing
• Software developers
• Technical service providers

If you think you might be interested in this major, but you are not absolutely sure, an exploratory advisor can help you explore major and career options, please go to: Explore.Tulane.edu

If you are interested in information about Law Professions, please go to: LawProfessions.Tulane.edu

If you are interested in information about Health Professions, please go to: HealthProfessions.Tulane.edu
### What Can I Do with a Major in... Applied Computing BS

<table>
<thead>
<tr>
<th>EDUCATION/TRAINING</th>
<th>PROFESSIONAL ORGANIZATIONS</th>
<th>RELATED WEBSITES &amp; ASSOCIATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Teaching</td>
<td>Association for Computing Machinery</td>
<td>Dice: The Career Hub for Tech</td>
</tr>
<tr>
<td>• Corporate Training</td>
<td><a href="http://www.acm.org">www.acm.org</a></td>
<td><a href="http://www.dice.com">www.dice.com</a></td>
</tr>
<tr>
<td>• Community Training</td>
<td>Association for Information Technology Professionals</td>
<td>Computer Jobs</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.aitp.org">www.aitp.org</a></td>
<td><a href="http://www.computerjobs.com">www.computerjobs.com</a></td>
</tr>
<tr>
<td></td>
<td>Association for Women in Computing</td>
<td>ComputerWork</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.awc-hq.org">www.awc-hq.org</a></td>
<td><a href="http://www.computerwork.com">www.computerwork.com</a></td>
</tr>
<tr>
<td></td>
<td>Computer Measurement Group</td>
<td>IT Jobs</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.cmg.org">www.cmg.org</a></td>
<td><a href="http://www.itjobs.com">www.itjobs.com</a></td>
</tr>
<tr>
<td></td>
<td>Computer Professionals for Social Responsibility</td>
<td>Monster</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.cpsr.org">www.cpsr.org</a></td>
<td><a href="http://www.monster.com">www.monster.com</a></td>
</tr>
<tr>
<td></td>
<td>Computer Special Interests Group</td>
<td>Tech Careers</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.acm.org/sigs">www.acm.org/sigs</a></td>
<td><a href="http://www.techcareers.com">www.techcareers.com</a></td>
</tr>
</tbody>
</table>

**CONSULTING**

- Consulting firms
- Self-employed

**EDUCATION/TRAINING**

- Schools: public & private
- Community colleges
- Universities
- Corporations
- Non-profit organizations

**PROFESSIONAL ORGANIZATIONS**

- Association for Computing Machinery
  - www.acm.org
- Association for Information Technology Professionals
  - www.aitp.org
- Association for Women in Computing
  - www.awc-hq.org
- Computer Measurement Group
  - www.cmg.org
- Computer Professionals for Social Responsibility
  - www.cpsr.org
- Computer Special Interests Group
  - www.acm.org/sigs
- Independent Computer Consultants Association
  - www.icca.org
- Network Professional Association
  - www.npanet.org
- Society for Technical Communication
  - www.stc.org
- Women in Technology
  - www.womenintechnology.org

**RELATED WEBSITES & ASSOCIATIONS**

- Dice: The Career Hub for Tech
  - www.dice.com
- Computer Jobs
  - www.computerjobs.com
- ComputerWork
  - www.computerwork.com
- IT Jobs
  - www.itjobs.com
- Monster
  - www.monster.com
- Tech Careers
  - www.techcareers.com

For Jobs, internships, resume assistance, interviews, and self-assessments, please go to:

[**HIRE TULANE GRADS.COM**](https://hire.tulanegrads.com)

Tulane University is committed to your academic success and provide several services to assist.

[**Success.Tulane.edu**](https://success.tulane.edu)

[**advising.TULANE.edu**](https://advising.tulane.edu)