## Major Action Plan: Computer Science

<table>
<thead>
<tr>
<th>What is YOUR passion?</th>
<th>1st YEAR</th>
<th>2nd YEAR</th>
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</thead>
<tbody>
<tr>
<td>Data Science</td>
<td>Complete at least 30 credit hours, including COSC 1100, MATH 2413 and MATH 2414.</td>
<td>Complete at least 30 credit hours, including key pre-reqs including but not limited to MATH 3310, MATH 1342, COSC 1310, COSC 2331, COSC 2341 and COSC 2448.</td>
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<tr>
<td>Software Engineering</td>
<td>See Faculty Academic Advisor to discuss your desired major and concentration, Grade Point Average (GPA) requirements, Academic Advising Guide, and file your degree plan. If MATH 2414 is not completed by the end of year 1, it is strongly recommended that you complete summer courses to stay on track.</td>
<td>See Computer Science Faculty Advisor to be advised.</td>
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<tr>
<td>Healthcare Information Systems</td>
<td>- Undecided about your major? Want to learn more about different career options? Take advantage of career counseling and career assessments through Career Services. - Explore student groups and organizations in your major or areas of interest through TexanSync. - Attend Study Skills sessions for additional assistance with acclimating the first year. - Attend or use Academic Resource Center Coaching, Math Clinic, tutoring options, and Writing Center. - Meet with your Computer Science Peer Mentor for your Intro classes. - Know the FAFSA deadlines and Scholarship deadlines each year. - Seek help from Student Counseling Center for home sickness, depression or other issues. - Feeling ill? Visit Student Health Services for physical health related concerns.</td>
<td>Explore participating in undergraduate research opportunities with your Faculty Advisor. - Explore available Applied Learning Experiences (ALE) such as internships, research, study abroad, service learning or leadership experiences. - Check out some of the following opportunities: - Computer Science Club - Association of Information Technology Professionals (AITP) - Game Club - Keep informed of the world’s largest technical professional organization, IEEE.</td>
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<td>Software Development</td>
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<td>Ecommerce Software</td>
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<td>Game Design</td>
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<tr>
<td>Cyber Security</td>
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<td>Find YOUR Way</td>
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<tr>
<td>Aerospace Information Systems</td>
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<td>Military Engineering</td>
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<td>Space Engineering</td>
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<tr>
<td>Data Mining</td>
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<tr>
<td>Business Analytics</td>
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<tr>
<td>Sharpen YOUR Skills</td>
<td>Start researching the marketable skills that employers are seeking. Get involved in Service Day and Tarleton Roundup. Apply to be a Residential Leader (RL) or Tarleton Transition Mentor (TTM) Schedule a meeting with a department representative to explore study away and study abroad experiences and department-sponsored service learning projects offered by your major. Run for Freshman Representative Council with SGA (Student Government Association). Look into Greek Organizations to network and build community.</td>
<td>Seek out volunteer opportunities in your area through Volunteer Match or United Way to give back to the community and build marketable skills for future employment. Attend events offered by The Office of Diversity and Inclusion and Fine Arts Center for cultural and diversity awareness. Participate in Alternative Spring Break. Run for Student Government Association. Take advantage of Free Online Class offerings from Udacity and Coursera.</td>
</tr>
<tr>
<td>YOUR Target Courses</td>
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<tr>
<td>YOUR Next Steps</td>
<td>Check out part-time jobs in Career Services employment system to gain work experience for your resume. Attend job and graduate school fairs to explore possible future opportunities. Make a good first impression with your attire. Investigate the type of lifestyle, salary and occupation you would like to have through Texas Reality Check tool (powered by Texas Workforce Commission). Learn more about your student loan debt, budgeting and much more through SALT.</td>
<td>Explore career opportunities within your major. Ask Career Services how to conduct a job shadow. Convert your high school resume into a pre-professional resume. Get to know your instructors to establish professional references and explore research opportunities. Create your online portfolio through Portfolium. Consult with Career Services or your Faculty Advisor on items to include.</td>
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<tr>
<td>YOUR Value Add</td>
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**1st YEAR**

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**2nd YEAR**

- Complete at least 30 credit hours, including key pre-reqs including but not limited to MATH 3310, MATH 1342, COSC 1310, COSC 2331, COSC 2341 and COSC 2448.
- See Computer Science Faculty Advisor to be advised.

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**YOUR Target Courses**

- Undecided about your major? Want to learn more about different career options? Take advantage of career counseling and career assessments through Career Services.
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**YOUR Next Steps**

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- Learn more about your student loan debt, budgeting and much more through SALT.
# Major Action Plan: Computer Science Major

## What is YOUR passion?

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<th>Companies that have hired Tarleton CS Graduates:</th>
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<tr>
<td>Americommerce</td>
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<tr>
<td>Oracle</td>
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<td>Halliburton</td>
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<td>NASA</td>
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<td>Recondo Technologies</td>
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<td>Northrop Grumman</td>
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<td>Lockheed Martin</td>
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<td>Charles Schwab</td>
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<td>Bank of America</td>
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<td>Raytheon</td>
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<td>Omnitracs</td>
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<td>DerbySoft</td>
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<tr>
<td>UST Global</td>
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<tr>
<td>Schreiber Foods</td>
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<tr>
<td>Texas Dept. of State Health Services</td>
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</tbody>
</table>

## 3rd YEAR

- Complete at least 30 credit hours.
- See your Computer Science Faculty Advisor to update your 8 semester plan and discuss Minor and Double Major options in the related fields of: Math, Engineering, Computer Information Systems or Digital Media Studies.
- Visit with a faculty advisor/mentor within your area of interest to explore student opportunities specific to your major.
- Explore participating in undergraduate research opportunities with your Faculty Advisor.
- Conduct informational interviews and talk to professionals working in your fields of interest.
- Take part in the Official Ring Ceremony.
- Consider taking on leadership roles within your student organizations and clubs.
- Explore volunteer opportunities in your area through All For Good.
- Need to get more experience and skills? Check out CareerOneStop.org sponsored by the US Department of Labor.
- Continue to develop computer and job-related skills, and knowledge of the workplace.
- Explore internship opportunities with a faculty mentor or advisor for your concentration area.
- Meet with a Career Services staff member to plan your job-search campaign, schedule mock interviews, resume critiques, and a Business Etiquette Dinner.
- Create a LinkedIn profile to further your professional networking.
- Check the Career Services calendar for career development workshops.
- Seek out an internship at any of the Career Services job fairs or through Faculty Advisor.
- Investigate graduate schools and attend the Open House for TSU Graduate Studies.

## 4th YEAR

- Complete remaining credit hours.
- Meet with your Computer Science faculty advisor to review your degree audit to ensure a timely graduation.
- Contact your Faculty Advisor to discuss presenting at undergraduate research symposiums.
- Participate in an internship with the direction of your faculty mentor or advisor. Suggested resources for internships can be found in the Career Service’s employment system or the College Internship Program’s website.
- File for GRADUATION!
- Update your resume in Career Service’s employment system, Portfolium, and LinkedIn.
- Compile reference letters, awards, etc.
- Research potential employers, seek out networking opportunities, apply for available positions, and prepare for potential interviews.
- Attend job fairs and dress professionally.
- Consider and review various job offers, if necessary, review information needed to negotiate a salary.
- Graduate! Congratulations!
- Join the Tarleton Alumni Association to stay connected to the University. BLEED PURPLE!

## YOUR Target Courses

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- See your Computer Science Faculty Advisor to update your 8 semester plan and discuss Minor and Double Major options in the related fields of: Math, Engineering, Computer Information Systems or Digital Media Studies.

## Find YOUR Way

- Visit with a faculty advisor/mentor within your area of interest to explore student opportunities specific to your major.
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## Sharpen YOUR Skills

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