Department of Visualization

• Tim McLaughlin – Department head – timm@viz.tamu.edu
• Barbara Klein – Undergraduate Program Coordinator – bklein@tamu.edu
• Jill Raupe – Academic Advisor – jraupe@arch.tamu.edu
• Departmental web site: www.viz.arch.tamu.edu
• Facebook group: VIZA-VIST
What is Visualization?

• The program focuses on the processes of creation, design & development of the visual experience.

• Program is structured to develop the student’s artistic, scientific and technical abilities and to provide a specialized skill set for creating visual experiences.
About the Department

• 38 faculty members
• 5 staff
• 350 undergraduate students for fall 2019
• 80 graduate students for fall 2019
• 497 graduates since Fall 2009
• The one of two STEM major in the College of Architecture.
• Research labs: LIVE Lab and HCI Lab
About the Major

• 120 credit hours
• 75 credit hours of major coursework
• 45 credit hours of core curriculum
• A majority of the students complete the degree within 4 years.
Core curriculum classes as required by TAMU and the State of Texas

- ENGL 104/1302
- COMM 203/SPCH 1315
- HIST 105/1301
- HIST 106/1302
- POLS 206/GOVT 2305
- POLS 207/GOVT 2306
- MATH 151/MATH 2413
- MATH 152/MATH 2414
- PHYS 201/PHYS 1401
- PSYC 107
- Language, Philosophy & Culture
- International Culture & Diversity (ICD)
- Life & Physical Sciences
- Creative Arts
- Cultural Disclosure (CD)
## Curriculum in Visualization

**Catalog ID:** 112

**2014-2022**

**Texas Common Course Number**

### Freshman Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISI 108 Principles of Design I</td>
<td>VISI 106 Principles of Design II</td>
</tr>
<tr>
<td>3 credits</td>
<td>3 credits</td>
</tr>
<tr>
<td>ARTS 118 Drawing for Visualization</td>
<td>VISI 170 Intro. To Computer Env.</td>
</tr>
<tr>
<td>MTTH 130 College Physics MTTH 1301 &amp; MTTH 1303</td>
<td>ARTS 149 Art History Survey I ARTS 1330</td>
</tr>
<tr>
<td>ENGL 1301 Comp. and Writers ENGL 1303</td>
<td>HLOC 208 American National Govt. GOVT 2100</td>
</tr>
<tr>
<td>VISI 130 First Year Seminar</td>
<td>MATH 103 Engineering Math II MATH 1031</td>
</tr>
<tr>
<td>4 credits</td>
<td>4 credits</td>
</tr>
<tr>
<td>VISI 200 Visualization Techniques</td>
<td>VISI 200 Visualization Techniques</td>
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<td>3 credits</td>
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### Sophomore Year

<table>
<thead>
<tr>
<th>First Semester</th>
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<tbody>
<tr>
<td>VISI 106 Principles of Design II</td>
<td>VISI 200 Visual Studies Studio I</td>
</tr>
<tr>
<td>3 credits</td>
<td>3 credits</td>
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<tr>
<td>ARTS 210 Life Drawing</td>
<td>VISI 130 Art History Survey II ARTS 1304</td>
</tr>
<tr>
<td>VISI 205 Comp. for Visualization I</td>
<td>VISI 210 Comp. for Visualization II</td>
</tr>
<tr>
<td>4 credits</td>
<td>4 credits</td>
</tr>
<tr>
<td>Directed Elective</td>
<td>VISI 200 Visualization Techniques</td>
</tr>
<tr>
<td>3 credits</td>
<td>3 credits</td>
</tr>
<tr>
<td>MATH 113 Engineering Math III MATH 1314</td>
<td>Directed Elective</td>
</tr>
<tr>
<td>VISI 220 Theory &amp; Practice in Visualization</td>
<td>3 credits</td>
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<tr>
<td>12 credits</td>
<td>12 credits</td>
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</table>

### Junior Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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</thead>
<tbody>
<tr>
<td>VISI 200 Visual Studies Studio II</td>
<td>CRHC 201 or VISI 410</td>
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<tr>
<td>3 credits</td>
<td>3 credits</td>
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<tr>
<td>ARTS 345 History of Western Art</td>
<td>Free Elective (902-400 level)</td>
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<tr>
<td>VISI 375 Foundations of Visualization</td>
<td>Language, Philosophy &amp; Culture Elective</td>
</tr>
<tr>
<td>VISI 230 Research in Visualization</td>
<td>3 credits</td>
</tr>
<tr>
<td>UN &amp; Physical Science</td>
<td>3 credits</td>
</tr>
<tr>
<td>12 credits</td>
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</table>

### Senior Year

<table>
<thead>
<tr>
<th>First Semester</th>
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<tbody>
<tr>
<td>VISI 400 Visual Studies Studio III</td>
<td>VISI 409 Capstone Study</td>
</tr>
<tr>
<td>3 credits</td>
<td>3 credits</td>
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<tr>
<td>VISI 430 Applied Perception for Visualization</td>
<td>VISI 430 State &amp; Local Government GOVT 2306</td>
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<tr>
<td>VISI 419 Capstone Program Gen.</td>
<td>Communications Elective SPECH 1303</td>
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<tr>
<td>Directed Elective</td>
<td>Social &amp; Behavioral Science Elective</td>
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<tr>
<td>MATH 115 US History Elective MATH 1301</td>
<td>VISI 210 US History Elective MATH 1303</td>
</tr>
<tr>
<td>Life &amp; Physical Science</td>
<td>Life &amp; Physical Science</td>
</tr>
<tr>
<td>12 credits</td>
<td>12 credits</td>
</tr>
</tbody>
</table>

**Note:** Students must complete the College of Arts & Human Sciences Core Curriculum, or an equivalent program approved by the advisor or instructor. Electives may be taken during summer, online, distance education, at another university or college, or at study abroad institutions.
Sophomore Gate

• Must complete **VIST 105, 106, 170, ARTS 115, MATH 151 & PHYS 201** successfully to be allowed to take **VIST 205 & VIST 270**.

• Completion is required by the end of spring of the first year.

• AP and Dual Credit is accepted for MATH 151 and PHYS 201.

• MATH 151 & PHYS 201 can be taken at community college. Check for equivalent numbers in Howdy.

• Lack of MATH 151 and/or PHYS 201 will cause you to be behind one year in the program. VIST 205 and 270 are offered during the summer.
Important Information

It takes 8 semesters to complete the program.

A passing grade for visualization major courses is a C

A passing grade for core curriculum classes is a D

Please read your TAMU email regularly
Semester Away

1. Study Abroad Programs
2. Internship
3. Reciprocal Exchange Programs (REEP)(Abroad)

More information given in the VIST 206 studio – spring of sophomore year.
Semester away is required by the College of Architecture and the department.
Academic Understanding

• College of Architecture is a **NO PROBATION** college.
• Responsible for checking TAMU email
• Keep local and permanent address and phone number up to date
• Semester away requirement
AP & Dual Credit

• AP credit can be claimed after consultation with advisor. Not all credits should be accepted. AP score information is in your folder.

• Dual credit transcripts need to be sent to TAMU. Once the transfer credits have been added to your TAMU transcript, the courses can’t be removed.

• Excess Credit Hour Rule
Minors

• Computer science – 18 credits hours
• Math – 18 credits hours
• English – 18 credit hours
• Psychology – 18 hours
• Business – 18 hours
• Creative Studies – 18 hours
• Art and Architecture History – 15 hours
Student Organizations

• SIGGRAPH – Special Interest Group on Computer Graphics and Interactive Techniques
• AIGA – The Design Group
• SWAMP- Screenwriters, Actors and Movie Producers
• TAGD – Texas Aggie Game Developers
• WIA-Women in Animation
Campus Resources

• Computing & IT
• Academic Success Center
• University Writing Center
• Disability Services
• Transfer Student Program
• Career Center
• ATMentors
• Student Counseling Center

• Student Health Center
• Multicultural Services
• Veteran Resource and Support Center
• Veteran’s Services Office
• Women’s Resource Center
• GLBT Resource Center
• International Student Services
Email Set Up: Help Us Help You!

1. Open Howdy
2. Click on “Email” in top right corner
3. Click on “Log in to Gmail”
4. Click the gear symbol in top right corner and select “Settings”
5. Scroll down to the section labeled “Signature”
6. Enter in your first and last name, UIN, direct phone number and major
My Record in Howdy
Catalog.tamu.edu

Office of the Registrar

Catalogs

- Current Catalogs
  - TEXAS A&M UNIVERSITY
    - 2013-2014 Undergraduate Catalog (Edition 136) Downloadable PDF (12.10MB)
    - 2013-2014 Graduate Catalog - Available online in August 2013
  - TEXAS A&M UNIVERSITY AT GALVISTON - Catalog
  - TEXAS A&M UNIVERSITY AT QATAR - Catalog

- Learning Outcomes
  - Baccalaureate Outcomes.pdf
  - Master's Outcomes.pdf
  - Doctoral Outcomes.pdf

- University Core Curriculum
  - Core Curriculum

- Archived Catalogs
  - TEXAS A&M UNIVERSITY
    - UNDERGRADUATE
Important Information

• Advising is by appointment ONLY – 24 hours in advance.
• If you truly have a quick question, send me an email.
• Always use OFFICIAL TAMU email address and always include your NAME and UIN in correspondence.
• Come on time and prepared to your appointments.
• Come to appointments with questions and notes over items you’d like to discuss.
Important Information

FERPA- Family Educational Rights and Privacy Act

- Your academic record is **YOURS**. It cannot be discussed with parents without a Certification of Dependency form.
- Directory Holds may prevent you from walking at graduation.
Registration for Fall 2019 classes

• Registration starts PROMPTLY at 2:30 p.m. so be there at least 30 minutes earlier. Second Floor of the Student Computing Center.

• Space is limited, so all non-students need to remain outside the registration area.

• Parents will have a Study Abroad presentation. It is very important that the student’s parents attend this meeting.
Registration
Computer Requirements

• All Visualization students are required to have a computer.
• No preference for operating systems. Laptop – minimal usage for first two years of the program.
• Heavier usage will be during the third and fourth years of the program.
• 8 GB flash drive or 500 GB hard drive
• Don’t worry about purchasing software at this time.
Degree Evaluation
Degree Planner

• All undergraduate students at TAMU are required to submit a degree planner each year following the first year of program.
• Degree planners are due by September 30.
• If there is no approved degree planner on file, the student will be blocked from registration until one has been submitted.
• The degree planner is a tool to help you plan your remaining semesters at TAMU.
Degree Planner

Degree Evaluation Tab (cont.):

Click on the area names to expand and contract the program areas.

Text next to the requirements identifies the courses which can be used. Minimum grade requirements are also listed.

Opens a window to add planned courses.

A legend at the end of the degree evaluation explains the different "source" codes used in the evaluation.
# Undergraduate Degree Planner

## Student Guide

## Viewing the Plan as a PDF:

The state of your plan at the time of its submission will be displayed as a PDF as depicted below:

## Planned Courses

### Academic Year: 2013-2014

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Cr</th>
<th>Tr</th>
<th>Mn</th>
<th>Term Total Credit:</th>
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<tbody>
<tr>
<td>AERO 303</td>
<td>FLIGHT DYNAMICS</td>
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<td></td>
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<td>AERO 305</td>
<td>AERO ENG LAB II</td>
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<tr>
<td>AERO 306</td>
<td>AERO STRUCTURAL ANALYSIS I</td>
<td>3</td>
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<tr>
<td>AERO 321</td>
<td>AEROSYSTEMS PROPULSION</td>
<td>3</td>
<td></td>
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<tr>
<td>AERO 421</td>
<td>FLYING AERO VEHICLES</td>
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### Academic Year: 2014-2015

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<tbody>
<tr>
<td>AERO 461</td>
<td>AEROSPACE VEHICLE DES I</td>
<td>3</td>
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<td>AERO 462</td>
<td>AEROSPACE VEHICLE DES II</td>
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<td>AERO 452</td>
<td>ELECT TRNS DISPL</td>
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### Academic Year: 2015-2016

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<tbody>
<tr>
<td>AERO 201</td>
<td>INTRODUCTION TO AERO ENGR</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>AERO 309</td>
<td>AERO ENG MATH I</td>
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### Academic Year: 2016-2017

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<th>Tr</th>
<th>Mn</th>
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<tbody>
<tr>
<td>AERO 213</td>
<td>MATERIAL SCI AERO ENGR</td>
<td>3</td>
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<tr>
<td>AERO 214</td>
<td>AERO CONTINUUM MECHANICS</td>
<td>3</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

## Additional Information

- Kyle Field (123232323, XXXXXX)
- 05-AERO
- Fall 2011 - College Station

**Texas A&M University**
College Station, Texas
Welcome to Visualization!