

2006-07 STUDENT AFFILIATES CHAPTER REPORT: {The University of Tennessee at Martin}**General Instructions**

Please document your activities for each category on the tables below. Chapters that do not use the designated form may decrease their chances of receiving an award as the reviewers will not be able to easily extract the necessary information for a concise review.

Supporting documentation guidelines are provided for each category. In most instances, no more than two pieces of supporting documentation should be submitted for each category. In the new online submission system, these documents should be uploaded separately – not inserted in this form – and only text and image files are allowed. Please note that the Student Affiliates Program can only include digital photos that are at least 300 dpi in its awards video presentation and in *Chemistry* magazine.

For each category, provide the date of the event and the numbers of Student Affiliates (SA), other chapter members (non-SA), and faculty members that participated. In the name of event/location column, please provide a descriptive title along with the place where the event was held. Please record the number of people that were served by your activity (i.e, number in attendance) in the appropriate column and indicate whether or not the SA chapter planned the activity. It is imperative that all columns be completed for each activity.

Chapters are encouraged to provide adequate written summaries of their activities to give reviewers a complete account of their works. For tips on writing your annual report, visit www.chemistry.org/education/inchemistry.html, click on previous issues and read the article entitled “Annual Report Reviewers Speak Out” in the February/March 2004 issue of *in Chemistry*.

Chapter reports **must be submitted by JUNE 9, 2007**. The new online submission system and electronic versions of the report forms can be accessed via the Student Affiliates web site (www.chemistry.org/education/saprogram.html). Please feel free to contact the Student Affiliates Program at 800-227-5558 (ext. 6166) or via e-mail at saprogram@acs.org if you have any questions.

Background Information

To provide institutional and departmental data, SA chapters should consult with their department chair or Registrar’s Office to obtain accurate numbers. Incorrect information will limit the chapter report reviewers’ ability to fully access the scope and range of your SA chapter activities.

27	Number of ACS Student Affiliates (those who submitted an application to ACS)
27	Total number of chapter members (SA and non-SA)
6200	Total number of undergraduates in the college or university
50	Number of undergraduates majoring in chemistry
10	Number of chemistry faculty

1. ACS STUDENT AFFILIATES CHAPTER MEMBERS: {The University of Tennessee at Martin}

Please list at least six of your Student Affiliates members and their ACS Student Affiliates numbers. You are encouraged to include a complete chapter roster, if possible. You may expand the table or upload a roster as an attachment to your report submission. Your chapter must have a least six national Student Affiliates in order to qualify for a chapter award or grants.

STUDENT AFFILIATES	ACS NUMBER	STUDENT AFFILIATES	ACS NUMBER
Robert H. Mitchell	2391460	Christy R. Lowe	2399289
Christopher B. Bledsoe	2372654	James A. Fisette	2392388
Megan N. Malin	2391458	Chad R. Waters	2391466
Jonathan A. Bain	2373965	Shuntaro Tsukiyama	2392390
Audrey J. Smith	2351520	Charles H. Mitchell	2391459
Phuongdinh Nguyen	2371313	See back page for complete roster.	

Please provide a brief summary of your recruitment and retention efforts.

The main recruitment activity for the fall of 2006 was the Annual SAACS CHEMagic show held on September 14, 2006. At this event, each of the members introduced themselves and Jonathan Bain (President of 2006) gave a brief description of some of the SAACS activities. Demonstrations were performed and refreshments were served. Several students became members of the chapter.

An additional recruitment activity included Fall Senior Day, which is a university-wide event, held to recruit high school seniors and to spread the word about SAACS. This event was held on September 30, 2006.

To promote unity and retention of the members, several periodic meetings were held and several scholarly and socials were carried out. Keeping members involved in the preparation and execution of demonstrations is one of our best ways of keeping our members active in SAACS.

2. COMMUNITY SERVICE: {The University of Tennessee at Martin}

What types of community service or public outreach programs benefited audiences outside of your institution (excluding National Chemistry Week activities)? How did you promote the positive image of chemistry in your community? Did you administer a Community Interaction-Student Affiliates (CISA) Grant program or an Innovative Activities Grant (IAG) program relevant to this category? You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
10-21-2006	18	18	1	Boy Scouts Merit Badge Clinic	30	Yes
3-3-2007	18	18	12	27th Annual High School Science Bowl	>100	Yes
11-2-2006	8	8	1	Chemistry Demonstrations at Martin-Westview	>50	Yes
4-27-2007	2	2	1	Chemistry Olympiad	2	No
3-24-2007	16	16	1	ACS National Meeting: Nature Museum Volunteer by doing Demonstrations	>150	No
2-12-07	6	6	1	Kiwanis Club Demonstration Show	>30	Yes
11-14-2006			4	Science Day for Second Graders	>300	Yes

Please provide a brief summary of your community service activities. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

Community service activities included putting up displays, putting on demonstration shows and helping the youth of the community. The most notable above is the Annual High School Science Bowl that invited people from surrounding schools in West Tennessee. At the Science Bowl, SAACS provided free shirts to participants. Also, Boy Scouts from the surrounding areas were invited to the labs at UTM to earn their Chemistry Merit Badges. UTM SAACS also administered the ACS Chemistry Olympiad test to a few high school students. Finally, at the National ACS meeting in Chicago, UTM SAACS participated in a chemistry demonstration show for the children of Chicago.

3. NATIONAL CHEMISTRY WEEK/MOLE DAY/EARTH DAY: {The University of Tennessee at Martin}

What role did your chapter play in the promotion of National Chemistry Week, Mole Day, or Earth Day? How many persons were served during your activities? Include information on how you used the ACS Office of Community Activities, if applicable. You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
4-16-2007	6	6	2	Green Chemistry Display for Earth Day	Campus-wide	Yes
10-26-2006	17	17	2	National Chemistry Week Demonstrations	65	Yes
10-16-2006	9	9	2	Mayor Proclamation of National Chemistry Week	12	No

Please provide a brief summary of your National Chemistry Week/Mole Day/Earth Day activities. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

National Chemistry Week is very busy time for UTM SAACS. We spend a large amount of time preparing for the demonstration shows for the High School students. We were also honored to receive a Proclamation from the Office of the Mayor for National Chemistry Week.

4. PLANNING/ATTENDING SCIENTIFIC MEETINGS: {The University of Tennessee at Martin}

Please list any scientific meetings (national, regional, or local) that your chapter attended, planned, or hosted. Please note the professional organizations with which the events were affiliated, if applicable. In the summary box, include the names of students in your chapter who presented research or chapter-related posters at events that were attended by the chapter. Only chapter-related scientific meeting attendance should be listed, not individual student conference attendance. You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
1-17-2007	10	10	3	Kentucky Lake Section meeting in McKenzie: Mr. Keith Butler	30	No
4-16-2007	15	15	5	Kentucky Lake Section meeting in Martin: Dr. John Z. Larese	60	No
3-23-2007/3-26-2007	16	16	3	National Meeting of the American Chemical Society in Chicago, IL	N/A	No
4-28-2007	6	6	2	Area Collegiate Chemistry Meeting at Murray State University, KY (Co-sponsored By UTM SAACS)	>40	Yes

Please provide a brief summary of your scientific meeting activities. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

UTM SAACS attended a few KLS meetings for the Fall 2006-Spring 2007 academic year. At the National meeting in Chicago, several SAACS members attended scientific speakers and meetings. Also, at the National ACS meeting, Robert Mitchell and Christy Lowe presented a poster and performed a demonstration for the household chemical expo. At the ACCM in Murray, SAACS member Jon Bain presented research findings; UTM SAACS co-sponsored this meeting. ACS president elect Dr. Bruce E. Bursten was among the distinguished guests.

5. COMMUNICATION: {The University of Tennessee at Martin}

Briefly describe how your chapter communicated about its meetings and activities to chapter members and the general public. You should include information about your Web page, media coverage of events, flyers, e-mails, etc. Also discuss the effectiveness of your communication efforts. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

There is a dry-erase board at the top of the main stairway on the 3rd floor of the UTM Engineering and Physical Science building that the UTM SAACS use to announce upcoming events. There are also a number of bulletin boards that we post flyers on.

The most important form of communication between our members is email and cell phones. This provides a fast and convenient form of communication between SAACS members. This allows for short notice news of events to be effectively communicated to UTM SAACS members. Our faculty advisor also plays a huge role in communication because many SAACS members stop by his office periodically or see him within the chemistry department. Our department secretary also plays a major role in communication by reminding members of important events that are coming up.

All the past events and a list of up-coming events are posted on the UTM SAACS website for the public to view. The website contains many links including the Kentucky Lake Section of the ACS.

The school newspaper, *The Pacer*, and several other local newspapers printed information and results on SAACS activities. We use local newspapers and flyers to inform the general public of SAACS activities and events.

6. DEPARTMENT/COLLEGE SERVICE: {The University of Tennessee at Martin}

Did your chapter plan or participate in any departmental activities (e.g. tutoring programs, visiting with departmental speakers, career fairs, mock interview sessions, résumé reviews) or any campus-wide activities? You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
9-30-2006	1	1	1	Senior Day	Campus-wide	Yes
10-28-2006	11	11	1	UTM Homecoming	Campus-wide	Yes
10-10-2007	6	6	1	SAACS Sponsored Finals Review Help Session	16	Yes

Please provide a brief summary of your department/college service activities. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

UTM SAACS combined with the UTM Nursing Department at Homecoming to provide blood pressure and blood sugar analysis. At Senior Day, there were posters displayed promoting SAACS and the UTM Chemistry Department to prospective senior high school students.

A review help session was held to help general chemistry students with general chemistry final exam preparation. At the session, refreshments were provided.

7. SPEAKERS/TOURS/FIELD TRIPS: {The University of Tennessee at Martin}

Please list the name and affiliation of each speaker and the title of his/her presentation. Please list the name and location of the companies, institutions, or organizations you visited for field trips or tours. Technical meeting and conference speakers should not be included here: please list those in the scientific meeting category. All green chemistry-related speakers should be reported in category 8. You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
9-21-2007	14	14	5	Dr. James Smart: Chemistry and Biology of Tetrapyrroles	23	Yes
11-9-2006	15	15	6	Ted Williams, Oak Ridge Speaker: Spallation Neutron Sources	21	Yes
4-16-2007	15	15	6	Dr. John Z. Larese: Spallation Neutron Source Opportunities for the 21st Century Science	60	Yes
10-16-2006	4	4	1	Career Day at Oak Ridge	N/A	No

Please provide a brief summary of your speakers/tours/field trips. Please include information as to how these activities assisted chapter members with building their professional development skills. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

Dr. James Smart of the University of Tennessee at Martin spoke for UTM SAACS, students, and faculty on the "Chemistry and Biology of Tetrapyrroles." After, he answered questions about his research and discussed with students.

Our second speaker was Mr. Ted Williams from Oak Ridge National Laboratory. He talked about the new facility that is being built at Oak Ridge including pictures. He also distributed gift bags that included pens, note pads and information about the summer internship program at Oak Ridge National Laboratory. Before his presentation, SAACS members took Mr. Williams to dinner at a local restaurant and discussed the programs and future plans for spallation neutron sources at Oak Ridge.

Our final speaker was Dr. John Z. Larese from University of Tennessee at Knoxville and Oak Ridge National Laboratory. Before his lecture, there was a reception where SAACS members, students, and faculty could speak one-on-one with him about his research and spallation neutron sources in general. This was followed by a dinner where many SAACS members from UTM and different Universities attended. After the dinner, Dr. Larese presented his presentation entitled "The Spallation Neutron Source Opportunities for 21st Century Science." He discussed his research about a neutron vibrational spectrometer and his future plans of his research. Questions and pictures followed the presentation.

The Oak Ridge Career Day was an event where several SAACS members were allowed to visit the facilities at Oak Ridge.

8. GREEN CHEMISTRY (optional): {The University of Tennessee at Martin}

In order to be recognized as a Green Chemistry chapter, Student Affiliates chapters must engage in a least three different types of green chemistry activities during the academic year. Please reference the “Student Affiliates Chapter Report Review Criteria and Considerations” to help you craft this section. **NOTE: You can repeat activities in this section that you report in other categories (i.e. conferences, community outreach). This category will only be used to determine Green Chemistry chapter status. It will not be used to determine SA chapter award status.**

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
3-3-2007	4	4	2	Green Chemistry Presentation to High School Teachers	15	Yes
4-16-2007	6	6	1	Green Chemistry Display	Campus-wide	Yes
11-17-2006	2	2	1	Introduction to Green Chemistry at the Tennessee Science Teachers Association Meeting at the Sheraton Music City Hotel, Nashville	20	No
2-12-2007	6	6	1	Kiwanis Club Green Chemistry Presentation and Green Chemistry Demos	30	No

Please provide a detailed summary of a minimum of three green chemistry activities, including a two-three sentence explanation of why you think each activity qualifies as green chemistry. The ACS Green Chemistry Institute will use this information to determine if your activities qualify as green chemistry. You may include up to three pieces of supporting documentation (i.e. speaker abstracts) for this category with your report. Please label with the name of the activity.

During the High School Science Bowl, high school teachers were given a presentation by SAACS president Robert Mitchell to educate and encourage them to integrate Green Chemistry and sustainability into their current curriculum. After the presentation, the teachers asked many questions about Green Chemistry and how they could make their students interested in the materials. This was followed by some Green Chemistry demonstrations done by SAACS members.

In collaboration with Earth Day, UTM SAACS designed a poster that was displayed in the University Center during Earth Day festivities. There were several visual aids and examples of biodegradable products like PLA and soy products.

UTM SAACS faculty advisor Dr. S.K. Airee and SAACS members presented a Green Chemistry power point to high school teachers in middle Tennessee to encourage the teaching of Green chemistry and the importance of it.

At the Kiwanis club presentation, SAACS president Robert Mitchell presented a power point to local residents about Green Chemistry and sustainability. The presentation was followed by Green Chemistry demonstrations presented by several UTM SAACS members.

9. FUNDING: {The University of Tennessee at Martin}

Briefly describe any funding that was donated to your chapter (e.g., from the department), as well as any funds that were raised through various activities including proposal writing (IAG, CISA, NMTG, and SLPD grant funding should be included). In the description you should not only include the amount of money that was raised or donated, but also indicate how the funding was spent. You may include up to two pieces of supporting documentation for this category.

Financial Statement
May 22, 2006 – April 18, 2007

	IN
Local & National dues	280.00
Chicago Trip	1600.00*
	1200.00^
	920.92
ACS Presidents Office for Travel	250.00
KLS for Meals on April 16, 2007	159.50
Scout Clinic	85.00
T-Shirts	95.00
ACS	783.55
	OUT
ACS National Dues	454.00
Chicago Trip Cost	1489.07
	1200.00*
	920.92^
Refreshments for scouts	40.99
	MB Pamphlets
Recruitment Demo Show (pizza and drinks)	115.00
Cosponsoring ACCM fee	100.00
Reception for Larese	38.81
Refreshments for help session	39.00^
Refreshments for SAACS at HSSB	40.00^

Refreshments for Teachers at HSSB	172.50 [#]
HSSB Trophies	183.00 [^]
T-Shirts	640.00 [^]
KLS Meals	159.50 [^]
Balance as of May 10, 2007	721.62

* Office of Academic Affairs

[^] SAACS Monsanto Endowment Fund

[#] Chemistry Department

-SAACS Treasury paid for National Dues of 12 active SAACS

-Active SAACS from last year were rewarded with free T-Shirts

10. SOCIAL FUNCTIONS: {The University of Tennessee at Martin}

Please list the social functions that were part of your yearly chapter activities. Social activities include events such as holiday or back-to-school parties; bowling or skating events; dances, banquets, etc. You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
4-16-2007	6	6	3	Dr. John Z. Larese reception for students	>10	Yes

Please provide a few details about your social events and how they help to boost chapter morale and encourage chapter participation. You may include up to two pieces of supporting documentation for this category with your report. Please label all supporting materials with the name of the activity.

The reception was held for SAACS members, students, and faculty to converse with Dr. Larese. Refreshments were provided.

11. CHAPTER BUSINESS MEETINGS: {The University of Tennessee at Martin}

Please list the executive committee and chapter business meetings that were held. In the purpose of meeting column, please list the major goals of the meeting—i.e., to elect officers; to plan for the April outreach activity; to plan for the holiday party. You may expand the table to accommodate more meetings.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Purpose of meeting
8-31-2006	8	8	1	Fall Planning Meeting
9-7-2006	12	12	1	CHEMagic Demonstration and Recruitment Show Preparation
10-19-2006	17	17	1	Boy Scout Merit Badge Clinic Preparation
10-24-2006	17	17	2	Organizational Meeting
12-10-2006	11	11	1	Business Meeting and Elections
1-17-2007	13	13	1	Spring Organizational Meeting
1-25-2007	17	17	1	Organizational Meeting
2-10-2007	6	6	1	Kiwanis Club Preparation
2-22-2007	15	15	1	High School Science Bowl Preparation I
2-27-2007	18	18	1	High School Science Bowl Preparation II
3-1-2007	19	19	1	High School Science Bowl Preparation III
3-2-2007	18	18	1	High School Science Bowl Preparation IV

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3-21-2007	10	10	2	National ACS meeting/Chicago Trip Preparation Meeting
4-12-2007	11	11	1	Earth Day Preparation
4-26-2007	7	7	1	Chemistry Olympiad Preparation and Area Collegiate Chemistry Meeting Information

CHAPTER BUSINESS MEETINGS—PART II: {The University of Tennessee at Martin}

Please discuss the effectiveness of your meetings—were you able to accomplish your goals? Describe how your chapter meetings assisted chapter members with developing leadership skills. Include any incentives that your chapter provided to encourage attendance at chapter meetings.

The business meetings were very effective and they served as a valuable resource to discuss and organize upcoming events within the chapter and community. In each meeting, details of each upcoming event were discussed in great detail to ensure that things were carried out in an organized and professional manner.

The meetings were very structured and allowed members to discuss their views on what would be the best plan of action to accomplish the goals that the SAACS had set forth for themselves.

The elected SAACS officers carried out the meetings in an organized parliamentary procedure. Individual member leadership skills were promoted by spreading responsibilities of each event throughout the entire membership.

Incentives for attending business meetings included:

- 1) Socialization with UTM SAACS
- 2) Pizza and other food provided by SAACS
- 3) Attendance is required for active member status

The active members names were engraved on a plaque that is posted outside the UTM Chemistry Department Office. The plaque contains all the names of past active members.

12. LOCAL SECTION INTERACTION: {The University of Tennessee at Martin}

Briefly describe any interactions that you've had with your ACS Local Section. If you have not worked with your Local Section, please list the barriers that prevent these interactions. Also, please include any suggestions that might be passed along to ACS Local Sections that are looking for more ways to interact with Student Affiliates Chapters. **NOTE: This category will be used to increase Local Section and Student Affiliates Chapter interactions. It will not be used to determine SA chapter award status.**

The University of Tennessee at Martin SAACS were present at several Kentucky Lake Section Meetings. The Kentucky Lake Section of the American Chemical Society is very courteous to the SAACS chapters in its' area. At all of the KLS meetings, the Section only charges the students half of the price for the meals. This ends up being about \$5 per student. This makes a good incentive for students to come to the meetings. The meetings offer a wonderful opportunity to meet and discuss what each chapter is currently pursuing.

The Kentucky Lake Section also works in association with the Nashville and Memphis Sections to organize and carryout numerous activities throughout the year. One such example includes the Area College Chemistry Meeting, which was held at Murray State University for 2007. Another example includes the Chemistry Olympiad, which is sponsored by the Kentucky Lake Section of the ACS.

One might suggest several points in which local ACS could interact better with other Student Affiliate Chapters. We could encourage students to attend more KLS meetings, to establish more connections with KLS officers and members. We could also invite KLS members to SAACS meetings. Another suggestion is to organize several other events that are geared more toward simply socializing between groups.