

2012 Student Leadership Awards Application Form

Please complete all fields and e-mail this form to undergrad@acs.org (include "2012 Leadership Awards" in the subject line) or FAX to 202-872-8068. All paid student members who have completed at least one year of undergraduate studies in the chemical sciences and have held elective office in an active student chapter are eligible to apply. Preference will be given to sophomores and juniors.

All applications must be received by October 26, 2011

1. Full Name:	Daniel Steven Mast
2. Email Address:	Daniel.mast@stmartin.edu
3. SSN:	538-21-1353
4. Mailing Address:	3315 Notre Dame CT SE Lacey, WA 98503
5. Telephone:	360-280-3564
6. Fax:	
7. Institution name:	Saint Martin's University
8. Faculty Advisor /email	Arwyn Smalley ASmalley@stmartin.edu
9. ACS Student Member Number:	30176294
10. Expected Graduation Date:	May 2013

Daniel Steven Mast

Applicant Signature

10-26-11

Date

Arwyn R. Smalley

Faculty Advisor Signature

10/26/11

Date

Currently I am in my third year of study at Saint Martin's University working towards a dual degree in Chemistry and Mathematics. I am interested in Physical Chemistry and intend to pursue a graduate degree in this or a related field. It has become clear to me that for the sciences to continue to flourish we must inspire the next generation to invest their time in our field. The community involvement of the SMU Chemistry Club has this interest at heart. I am applying for the 2012 Student Leadership Award so that I can work towards strengthening the SMU Chemistry Club and inspire the youth in our community to pursue an interest in the sciences.

Present Leadership Roles

- Vice President SMU Chemistry Club (ACS Student Section)
- Math/Physics Tutor, Leading two Academic Success Workshops
- Briggs YMCA Swim Coach (2009-Present)
- Eagle Scout Troop #222, Member of the Order of the Arrow

Past Leadership Roles

- BSA Camp Meriwether Assistant Aquatics Director (summer 2010)
- RRHS Drum Major (2007-2009)
- RRHS Swim Captain (2008-2009)

In each of these positions, I faced challenges and made mistakes. While I cannot say that I learned from every mistake, I did learn a considerable amount in all of these roles. The first time I formally held a leadership position was in 6th grade as a Patrol Leader in my Boy Scout Troop. My primary responsibility was to attend the Leadership Council Meetings and then share the information with my patrol members at our next meeting. Sharing information at this point was straightforward and simple as long as they would stop talking for more than a minute. The year prior to earning my Eagle Scout, I held the position of Senior Patrol Leader, and now I was the one running those council meetings. I use the skills I started learning as a 6th grader to share information in Academic Success Workshops with freshmen just trying to find their way and with my peers in Chemistry Club as we plan events and programs on campus.

During high school, I participated in the concert and jazz ensembles all four years. As an underclassman, I looked up to the seniors and section leaders, attempting to emulate them. They set the example of who I wanted to be as a student and a musician. At the end of my sophomore year, I was elected to be the Drum Major; I was given the opportunity to lead my peers and set the example for those just starting out and help them succeed. The examples I followed as an underclassman, are the kind of example I tried to set in high school and now in Chemistry Club. When someone is enthusiastic and passionate about something, it is easy to follow them. Others are more likely to participate and enjoy being a part of it even when it may

not their main passion. Doing simple things like showing up on time, following through with a commitment or picking up trash in the hallway, become the example you set as a leader and those who follow you will emulate.

While the scout law does not explicitly include “respectfulness”, it is implied in everything we do as scouts. In every position I have held, formally or otherwise, respect is the top priority. Respect is the first step to trust and loyalty. Success in any capacity is held together because those that put you in a leadership role respect and trust you. In school, I had a history with most of those that I interacted with and this respect has been developed over time. As I move forward, I am encountering new people whom I am unfamiliar with and new situations. In the past, I knew whom I was dealing with and what was needed; these new situations require respect and compassion. To better approach these new relationships, I am participating in the SMU Benedictine Leadership Program to learn about my own leadership and myself. I know from all of my past roles that respect and loyalty are essential and by developing a more complete understanding of myself, I will be able to interact with others in a more successful way.

Planning and goal setting are skills that I would like to further develop. In past and present positions, I was required to do planning for events, but it was always with considerable assistance. As a part of the Chemistry Club, we are holding on campus activities and honing my planning and goal-setting skills will help the club function more efficiently. I would like to develop the skills needed to evaluate the needs and resources of a group in order to improve the planning process.

The SMU Chemistry Club has a core group of students who are involved in all of the decisions and events. I would like to see a larger base of students consistently at our events and involved in our various activities. Since last year, we have seen an increase in number of active members. We hope to retain our membership and continue to increase it going into the next school year. Developing my leadership skills through participation in the Leadership Institute will strengthen the organization and planning in our chapter, which will improve member retention. We were all at one point inspired to pursue their interest in science and we want to continue to inspire others and generate a passion for science. A larger base of active students will help create a stronger presence on campus and in our community. This will allow us to increase our community involvement and generate interest in science in the next generations. I discovered science at a young age from an excited elementary school teacher, and the skills I develop at the Leadership Institute will allow me to help my chapter give our communities’ elementary school students an opportunity to discover science as each of us did.

Leadership Experience

May 2010-Present Saint Martin's University Lacey, WA

Peer Tutor (Math/Physics)

- Lead study sessions and work individually with students in math and physics classes
 - Lead two Academic Success Workshops, Math Test Prep and Calculators are your friend.
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July 2009-Present YMCA Olympia, WA

Assistant Swim Coach

- Run practice daily for twenty to thirty age group swimmers
 - Organize swim meets
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Spring 2011-Present SMU ACS Student Chapter Lacey, WA

Vice President

- Organize fundraiser events
 - Distribute information from meetings to members
 - Attend Student Council Meetings
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Summer 2010 Cascade Pacific Council

Assistant Waterfront Director

- Teach waterfront programs and assist in the supervision camp wide program
 - Run Waterfront in absence of Director
 - Guide troops through camp program
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1996-Present Boy Scouts Of America Lacey, WA

Merit Badge Councilor

- Eagle Scout 2009
 - Order of the Arrow 2006
 - As a scout I held various positions involved with planning day events, overnight trips and leading weekly troop meetings (96-09)
 - As an adult leader, I lead the annual troop swim and teach the lifesaving class.(09-11)
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2005-2009 River Ridge High School Lacey, WA

Drum Major (07-09)/Swim Captain (09-10)

- Lead rehearsal and evening marching practice
- Organize students at games, parades, concerts and fundraising events

- Lead warm-ups and meet set up
- Motivate peers and bring team together in and out of the pool

Conferences

Northwest Leadership Conference, sponsored by the Military Order of World Wars

- Attended weeklong conference focused on developing leadership in potential military leaders
- Seminars and workshops lead by Ft. Lewis Commandant, Local Police Chief, PLU Football Coach

Saint Martin's University Leadership Summit

- Attend day long summit focused on developing leadership skills in student leaders
- Seminars and discussion led by local professors and business leaders

Saint Martin's University Benedictine Leadership Program

- Participation in year long program focused on developing leadership skill in student leaders with respect to Faith, Reason, and Service
- Workshops and course in fundamental values and the Benedictine tradition

October 23, 2011

American Chemical Society
Attn: Nancy Bakowski
1155 Sixteenth Street, NW
Washington, DC 20036

Dear Ms. Bakowski,

I am writing to recommend that you grant a Student Leadership Award to Daniel Mast for the 2012 ACS Leadership Institute.

I met Daniel a year ago, while he was enrolled in General Chemistry. He wanted to know whether I would consider letting him take Quantitative Analysis the next semester, even though he would not yet have completed a full year of General Chemistry (which is the prerequisite.) I was a little surprised, but with some consideration I said that I thought it was possible – that the chemistry wasn't that complicated, but that some people had trouble with the math. Daniel looked amused and said that math was no problem. I later discovered that Daniel was double-majoring in Math and Chemistry. He also added that he thought he "would like to take PChem next year, too."

I was bowled over. And as good as his word, Daniel didn't have any trouble with the math in Quant. In fact, he blew the class away. He's taking Physical Chemistry now and is doing brilliantly. He is the most impressive scholar I have seen in quite a long time. I know that the Leadership Institute isn't necessarily about student scholarship, but I wanted to give you that information to give you an idea of the scope of Daniel's excellence.

In addition to Daniel's academic brilliance, he joined our ACS Student Section during the 2010-11 school year, and immediately became an extremely active member. Last year the leadership were almost all fifth-year seniors who were busy with finishing their degrees and did not have much time to keep the Student Section on track. Daniel jumped into the Vice President position of the Student Section, and instantly became a powerhouse in initiating section activities, fundraising, and keeping the Student Section organized.

It is Daniel's energy and initiative that have resulted in the Student Section working harder than ever to raise money to send its student members to the 2012 Spring meeting of the ACS in San Diego, CA. Our fund-raising achievements so far this year are double what they were last year. Daniel requested (and received) a new white board and computer for the Chemistry student study room, and organized the students to paint a decorative border of elemental symbols and functional groups in the study room.

Daniel also puts significant effort into leadership and community involvement through coaching swimming at the local YMCA (concurrent with his school commitments), tutoring at Saint Martin's University, and Eagle Scouting (through the Boy Scouts of America.)

Daniel already has extensive experience as a leader, but no formal training in leadership. He can begin to receive that training at the 2012 Leadership Institute. If the ACS grants him a Student Leadership Award, not only would this directly benefit the Saint Martin's University Student Section, but it will benefit the ACS, too. As you know, young leaders in chemistry are few, and we need people like Daniel to guide to future leadership positions in the ACS, in chemistry, and in society.

In seven years of teaching I have never met another student who so strongly combines the character traits of academic brilliance, enthusiasm, and leadership potential. I strongly encourage you to grant him a Student Leadership Award. I think you will be amazed and pleased as you see him grow into leadership in the ACS and beyond in ways that will greatly benefit all of us.

Sincerely,



Arwyn L. E. Smalley, Ph. D.

Assistant Professor of Chemistry
Department of Natural Sciences
Saint Martin's University
Lacey, WA