

# Previous Design Team Work

## Previously Accomplished Work

[#Fall 2008](#)  
[#Summer 2008](#)  
[#Spring 2008](#)  
[#Fall 2007](#)

### Fall 2008

The main goal of the design team this semester is to improve upon the current design algorithms and make the program fully automated.

Design team weekly [minutes](#) semester [goals](#).

You can find all of the projects that we will be working on during the semester under the [Design Projects](#) page.

Design Team Members: [Tania Quesada](#), [Sara Schwetschenau](#), [Cherish Scott](#), [Reiko Baugham](#), [Anya Rudenko](#), [Sarah Stoder](#)

### Summer 2008

Throughout the Summer 2008 term, important changes were made to our [Automated Design Algorithms](#) to make them more efficient and user friendly. We've also worked to incorporate a shallow plant design into our Automated Design Programs. This shallow plant design allows for decreased construction costs, but also created the need for a new sedimentation tank inlet design. Many of the Design Programs were reworked and the [AutoCAD](#) Design Programs were also updated for the new design.

At the end of the Summer 2008 term, the [Master Program](#) has been fully linked. Much testing and debugging of this program needs to be done in the future to ensure the accuracy of this design tool.

Design team weekly [minutes](#) semester [goals](#).

Design Team Members: [Alissa Diminich](#), [Nicole Gumbs](#), [Daniel Menendez](#), [Sara Schwetschenau](#), [Sarah Stodter](#)

### Spring 2008

During the Spring 2008 semester significant advances were made to the design algorithms by the Unit Processes team and the Hydraulic Design team. The [Hydraulic Design](#) and [Unit Processes](#) teams from the Automated Design Team were responsible for determining the best algorithms for each component of the water treatment plant. The [AutoCAD](#) team was responsible for continuing the automated design drawing process. The [Integration](#) team was responsible for integrating the work done by all other teams in to one comprehensive and fluid master algorithm.

The work of each of these teams began linking towards the end of the Spring 2008 semester in order to create a single Automated Design Program. The ensemble constitutes the automated design program that will be used by the AguaClara team to quickly develop plans for new water treatment plants -to be built in Honduras. At the end of the Spring 2008 semester much work was still necessary to fully integrate the design algorithms make them more efficient.

Design team weekly [minutes](#) and semester [goals](#).

Design Team Members: [Leslie Campbell](#), [Alissa Diminich](#), [Becky Katz](#), [Sarah Long](#), [Rachael Moxley](#), [Tania Quesada](#), [Anastasia Rudenko](#), [Raul Santiago](#), [Cherish Scott](#), [Tamar Sharabi](#), [Vimala Adapala](#)

### Fall 2007

Throughout the 2007/2008 academic year the automated [AutoCAD](#) drawing has also advanced to reflect the current plant design with newer design changes updated by the Spring 2008 AutoCAD team.

AutoCAD team semester [accomplishments](#).

Design Team Members: [Alissa Diminich](#), [Daniel Menendez](#), [Tania Quesada](#), [Vimala Adapala](#)