



Southern Michigan
CENTER FOR SCIENCE AND INDUSTRY

**SMCSI CTE ADVISORY COMMITTEE MEETING
MINUTES**

November 5, 2021 – 12p.m.

In-person meeting at SMCSI and available via Zoom

MEMBERS PRESENT (in-person)

Bill White, Aerospace-Owner
Tim Robinson, LEDC-Director of Ops
Ron Chinn, Retired Engineer-Volunteer
Tim Smith, GM, GPSC Sr. Operations
Tyler Conrad, Hudson High School, Counselor
Shelly Bruner, Addison High School, Counselor
Alex Czeiszperger, Hudson High School, Student

SMCSI Staff Present

Jeff Webb, Lead Instructor
Dan Rogers, Program Director
Brian Hoard, SMCSI Adult Instructor
Sue Jacobs, SMCSI Admin Asst.
Erika Borck, Secretary
Lance Horwath, Principal
Nancy Jenkins-Arno, Development Director

MEMBERS PRESENT (via Zoom)

Melissa Tsuji, Siena Heights University
Mark Palmer, Siena Heights University
Eric Girdham, MRA
Larry Stover, General Broach
Terry Traves, Wacker Chemical Corp.

MEMBERS ABSENT

John Plelan, Glycon Corp
Jeff Kuhman, Glycon Corp.
Jeff Howard, Glycon Corp.
Mike Gimenez, Nexus Tool Group

Gabrielle Plateis, Elwood Staffing
Gretchen Vondran, Elwood Staffing
Kevin Fite, Methods Machine

ESTABLISH CHAIRPERSON

Jeff Webb asked for a motion whether to carry on with the current chairperson, of Eric Girdham or to elect a new chair. There was a motion from Ron Chinn to elect Bill White as new chairperson and a second by Tim Smith motion carried. **Motion passed.**

The meeting was then taken over by Chairman, Bill White at 12:14 p.m.

APPROVED MINUTES OF PREVIOUS MEETING (INCLUDES RECORD OF ATTENDEES)

Bill asked for a motion to approve minutes of our previous meeting and the record of attendees on March 5, 2021. There was a motion from Ron Chinn to approve the minutes and attendees and a second by Tim Robinson motion carried. **Motion passed.**

REVIEW OLD BUSINESS

Jeff gave a brief review of old business.

PROGRAM UPDATES

Jeff informed the committee we have no new equipment, but our equipment from the Marshall Plan hasn't been used because of COVID, it is still considered new to us. Bill asked Jeff about the proficiency curriculum that we spoke about during our last meeting. Jeff informed the group that the LISD had put curriculum together that is an online course that is 10 modules. The LISD presented it to teachers and counselors in the spring. Jeff plans on using it during second semester.

CURRICULUM OFFERED, COURSES OFFERED, AND SEGMENTS COVERED

The course syllabus was presented to the committee. Jeff has the course split up into 1st, 2nd, 3rd and 4th year students. First year students will start in the Amatrol certifications (Measurement tools, CAD/Solid works, Print Reading) after they complete these trainers, they will complete a project that involves these 3 trainers. They will then move on to Mechanical Fab, Hand tools, Pneumatics, and Applied Mechanisms. Second year students will be doing FANUC robotics (12 students completing FANUC certs), Hydraulics and Pneumatics. Third year students will work on CNC machines. The goal for our 4th year students will be to have them attend a work start program, where they will shadow someone in the industry. Shelly asked what credits will Mechatronics cover for students to attend this class. Lance and Dan confirmed that it follows the same guidelines as the Tech Center Classes. All students go through Amatrol safety training they must complete at the start of their semester.

FACILITITES & MAINTENANCE OF PROGRAM

Jeff offered the committee a tour of our facility at the end of the meeting.

STUDENT LEADERSHIP DEVELOPMENT

Jeff updated the committee that we currently we are not doing FIRST Robotics. We are looking into SkillsUSA for future leadership opportunities for CSI students. They do have programs that would relate to the programs our students complete at CSI. Jeff reminded the committee that our students are very involved in VEX Robotics, this is similar to FIRST robotics. Our students have multiple courses built in our facility and will attend events coming up at the end of this semester. Community Service projects, we have completed Fall clean-up in the Hudson Community. We plan on providing more community service opportunities this spring for our students.

WORK BASE LEARNING

We were scheduled to FABTECH this fall but due to COVID numbers we were not able to go. Once things open back up we definitely want too. hope to get students out to facilities for work base learning. We are doing everything we can to keep students in class and out of quarantine. If the committee knows of any virtual tours/meetings for the CSI students, please let one of the CSI staff members know. Virtual MFG Day is set up for December 15th and there will be two sessions, one in the morning and one in the afternoon. This year it will be interactive sessions for the students.

PROGRAM DATA - PARTICIPANTS

Jeff informed the committee we currently have 65 students enrolled in Mechatronics. It is down this year due to COVID and the recommendations to have students social distancing. The value of this class is through hands-on training, so it is a tough time as we work with the recommendations. The other hit we have taken is that we haven't been able to tour out of district students due to COVID. The goal is to have any students with interest in this industry field in Lenawee County attend this program. It is free to Lenawee County students, all expenses paid for, including transportation as long as the minimum requirement is meant. We are working out details to have smaller groups touring at a time so we can get back to providing this program to all Lenawee County students interested in this field of study. Jeff talked about the Marshall Plan and how we have smaller versions of the equipment housed in our facility at Hudson. We were able to take that to Addison High School to show students what we offer at CSI. We plan to use it again this year to help spread the word around the county about CSI. Dan wanted to add

we are fortunate in Lenawee County with the ISD and the funding we receive in this county through CTE/Tax Dollars. The ISD has been very supportive of our program and the other programs in the county, the vision is that each district send students to another district for their center of excellence program. We need to utilize that for each student's success and be the most efficient and effective county to do what is right for the student's success.

INDUSTRY CERTIFICATIONS AND ASSESSMENTS

We currently have 8 industrial certifications that students will have the opportunity to receive this year. Last year we certified 13 students in FANUC Robotics. This year we have 12 more students working on their FANUC Robotics certification and will have it completed by the end of this semester. We have 8 students currently working on their CNC machine certification. We now have the equipment to certify in the Hydraulics and Pneumatics, PLC, FANUC Robotics (2 Certs.), CNC mill and lathe, and Stratasys certifications available. We have had companies come in to pick up their machines that are located in our facility and are always offering our seniors positions right out of high school, who have completed their certifications. This specific company was from Hillsdale county.

EARLY MIDDLE COLLEGE COURSE OF STUDY AND COLLEGE NOW

Jeff explained that Kevin Reed oversees our Early Middle College students and there are around 24 students. SMCSI is now involved with College Now with about 15 students enrolled in this program. Tyler Conrad gave an update about this program. Tyler stated that this is a great opportunity for CTE students who are actively involved with the CSI Mechatronics program or students involved in LISD programs. College Now focuses on students who are in CTE programs and can take College credits while still in High School. CSI has also been working with Jackson College to have credits articulated for our Mechatronics students. The goal is to have this in place by the end of this school year, it is a high priority for our program.

EDUCATIONAL MATERIALS – SOFTWARE, TEXTBOOKS, FACILITIES & MAINENANCE OF PROGRAM

There was review of the Hudson classroom, equipment and curriculum and materials and all classroom resources reflect current industry standards and technology and materials are free of bias. A motion was made by Tim Smith and seconded by Ron Chinn that the committee reviewed and assures: the program has appropriate facilities, equipment and materials; the resources are relevant to the program curriculum; instruction reflects current industry standards and technology and materials are free of bias. **Motion passed.**

CSI EVENTS

Dan updated the committee that the plan was to have an event called MiCareer Quest in our building that would hold 4 quadrants of 4 different industries and have hundreds of students visit our building for the day to explore these careers then COVID hit and it was delayed. MiWorks plans the event and we will host it at our facility. This event will still take place in the spring of 2022. There will be a time for students during the day and another session in the evening offered for adults. There is not a set date yet but when a date is decided, SMCSI staff with communicate that with the committee.

The SMCSI Golf Outing will be July 15, 2022. This is our biggest fundraiser to help support our student's projects/programs at CSI.

INDUSTRIAL INPUTS

Jeff wanted to start the discussion off with the does the committee have any more suggestion on stuff we aren't doing that would be beneficial for us to look into starting. Bill White took the time to inform our staff that drones are becoming a very popular industry. He has a connection with a company that is going to be located in the county and thought it would be something we would be interested in as it is a fast

growing industry. Tim Smith took the time to ask if we had looked into robotic and manual welding, it is a high demand position right now and thinks it would benefit our students. Tim mentioned that he would be visiting a company in Fort Wayne that performs manual and robotic welding, he believes there is a high need for this and would suggest CSI Staff looking into this certification.

NEXT MEETING DATE

Will be in the Spring 2022. An email will be sent out with date, time and location.

ADJOURNMENT

Motion was made by Tim Robinson and supported by Tim Smith to adjourn the meeting at 1:04pm.

Motion passed unanimously.
